



STIC Search Report

Biotech-Chem Library

STIC Database Tracking Number: 118926

TO: James Schultz
Location: REM/2D18/2C18
Art Unit: 1635
Wednesday, April 07, 2004

Case Serial Number: 10/006911

From: David Schreiber
Location: Biotech-Chem Library
Remsen E01A61
Phone: 272-2526

david.schreiber@uspto.gov

Search Notes



STIC SEARCH RESULTS FEEDBACK FORM

Biotech-Chem Library

Questions about the scope or the results of the search? Contact *the searcher or contact*:

Mary Hale, Information Branch Supervisor
Remsen Bldg. 01 D86
571-272-2507

Voluntary Results Feedback Form

➤ I am an examiner in Workgroup: Example: 1610

➤ Relevant prior art **found**, search results used as follows:

- ☐ 102 rejection
- ☐ 103 rejection
- ☐ Cited as being of interest.
- ☐ Helped examiner better understand the invention.
- ☐ Helped examiner better understand the state of the art in their technology.

Types of relevant prior art found:

- ☐ Foreign Patent(s)
- ☐ Non-Patent Literature
(journal articles, conference proceedings, new product announcements etc.)

➤ Relevant prior art **not found**:

- ☐ Results verified the lack of relevant prior art (helped determine patentability).
- ☐ Results were not useful in determining patentability or understanding the invention.

Comments:

Drop off or send completed forms to STIC-Biotech-Chem Library Remsen Bldg.



GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: April 7, 2004, 06:58:01 ; Search time 1 Seconds
(without alignments)
1.052 Million cell updates/sec

Title: us-10-006-911-3
Perfect score: 130
Sequence: 1 tcagggaagaaaatattc.....ggtgatcaagcaaatagga 130

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 0.5

Searched: 268 seqs, 4046 residues
Total number of hits satisfying chosen parameters: 536

Minimum DB seq length: 8
Maximum DB seq length: 50

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 278 summaries

Database : rge.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	%		Query Match	Length	DB ID	Description
		Score	Match				
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110	11.4	8.8	15	1	A09444	ACCESSION:A09444	C 183	10.4	8.0	12	1	A04490	ACCESSION:A04490
111	11.4	8.8	15	1	A10647	ACCESSION:A10647	184	10.4	8.0	12	1	A04491	ACCESSION:A04491
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C 121	11.4	8.8	15	1	AR180792	ACCESSION:AR180792	194	10	7.7	10	1	AR030090	ACCESSION:AR030090
122	11.4	8.8	15	1	AR262889	ACCESSION:AR262889	C 195	10	7.7	10	1	BD239117	ACCESSION:BD239117
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127	11.4	8.8	16	1	AX572290	ACCESSION:AX572290	C 200	10	7.7	11	1	AR029836	ACCESSION:AR029836
128	11.4	8.8	16	1	AX572293	ACCESSION:AX572293	C 201	10	7.7	11	1	AR029943	ACCESSION:AR029943
129	11.2	8.6	16	1	I84476	ACCESSION:I84476	202	10	7.7	11	1	I03710	ACCESSION:I03710
130	11.2	8.6	16	1	AR435802	ACCESSION:AR435802	C 203	10	7.7	11	1	AX472076	ACCESSION:AX472076
131	11.2	8.6	16	1	AX572323	ACCESSION:AX572323	204	10	7.7	11	1	AX623194	ACCESSION:AX623194
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C 133	11	8.5	11	1	AR030107	ACCESSION:AR030107	206	10	7.7	11	1	AX625781	ACCESSION:AX625781
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C 278 8.8 6.8 12 1 A04336

ALIGNMENTS

RESULT 1
AX017787/c 22 bp DNA linear PAT 07-SEP-2000
LOCUS
DEFINITION Sequence 16 from Patent WO9946404.
ACCESSION AX017787
VERSION AX017787.1 GI:10042394
KEYWORDS
SOURCE Hordeum vulgare
ORGANISM Hordeum vulgare
Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
Spermatophyta; Magnoliophyta; Liliopsida; Poales; Poaceae;
Pooideae; Triticeae; Hordeum.

REFERENCE
AUTHORS Ramsey,L.D., Powell,W., Waugh,R., Swanston,J.S. and Thomas,W.T.
TITLE Dna sequences and their use for the selection of cereals
JOURNAL Patent: WO 9946404-A 16 16-SEP-1999;
RAMSEY LUKE DOUGLAS (GB); SCOTTISH CROP RESEARCH INST (GB); POWELL
WAYNE (GB); WAUGH ROBERT (GB); SWANSTON JOHN STUART (GB); THOMAS
WILLIAM THEODORE BLAYNE (GB)
FEATURES
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/organism="Hordeum vulgare"
/mol_type="unassigned DNA"
/db_xref="taxon:4513"

Query Match 12.0%; Score 15.6; DB 1; Length 22;
Best Local Similarity 81.8%; Pred. No. 11;
Matches 18; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

Qy 1428 TCTATGCACATATACATGGA 1449
|||||
Db 22 TCTATGCACATCATGGA 1

RESULT 2
AR150534/c 20 bp DNA linear PAT 08-AUG-2001
LOCUS
DEFINITION Sequence 21 from patent US 6228648.
ACCESSION AR150534
VERSION AR150534.1 GI:15115125
KEYWORDS
SOURCE Unknown.

ORGANISM Unknown.
REFERENCE 1 (bases 1 to 20)
AUTHORS Condon,T.P. and Flournoy,S.Cheng.
TITLE Antisense modulation of ADAM10 expression
JOURNAL Patent: US 6228648-A 21 08-MAY-2001;
FEATURES
source
1. .20
/organism="unknown"
/mol_type="unassigned DNA"

Query Match 11.7%; Score 15.2; DB 1; Length 20;
Best Local Similarity 85.0%; Pred. No. 12;
Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1424 TCGTTCATGCAGACATATA 1443
|||||
Db 20 TTGTATATGCAGACATGTA 1

RESULT 3
AX294122 20 bp DNA linear PAT 21-NOV-2001
LOCUS
DEFINITION Sequence 5884 from Patent WO0179548.
ACCESSION AX294122
VERSION AX294122.1 GI:17055805
KEYWORDS
SOURCE synthetic construct
ORGANISM synthetic construct
artificial sequences.

REFERENCE
AUTHORS Barany,F., Zirvi,M., Gerry,N.P., Favis,R. and Kliman,R.
TITLE Method of designing addressable array for detection of nucleic acid
JOURNAL sequence differences using ligase detection reaction
FEATURES
source
1. .20
/organism="synthetic construct"
/mol_type="unassigned DNA"
/db_xref="taxon:32630"
/note="Hypothetical Probe Sequence"

Query Match 11.7%; Score 15.2; DB 1; Length 20;
Best Local Similarity 85.0%; Pred. No. 12;
Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1364 CCACGCATCACGAGCGATCG 1383
|||||
Db 1 CCATGCAACACGATCGATCG 20

RESULT 4
AR087810 20 bp DNA linear PAT 07-SEP-2000
LOCUS
DEFINITION Sequence 3 from patent US 5989810.
ACCESSION AR087810
VERSION AR087810.1 GI:10014573
KEYWORDS
SOURCE Unknown.
ORGANISM Unknown.

REFERENCE 1 (bases 1 to 20)
AUTHORS Flanagan,W.M. and Crabtree,G.R.
TITLE Screening methods for immunosuppressive agents
JOURNAL Patent: US 5989810-A 3 23-NOV-1999;
FEATURES
source
1. .20
/organism="unknown"
/mol_type="unassigned DNA"

Query Match 11.4%; Score 14.8; DB 1; Length 20;
Best Local Similarity 88.9%; Pred. No. 15;

Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1394 AAAGGAGGTAAATGTT 1411
Db 2 AAAGGAGGAAAACTGTT 19

RESULT 5
AR198318
LOCUS
DEFINITION
ACCESSION
VERSION
KEYWORDS
SOURCE
ORGANISM
REFERENCE
AUTHORS
TITLE
JOURNAL
FEATURES
source
11.4%; Score 14.8; DB 1; Length 20;
Best Local Similarity 88.9%; Pred. No. 15;
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1394 AAAGGAGGTAAATGTT 1411
Db 2 AAAGGAGGAAAACTGTT 19

RESULT 6
AX737249/c
LOCUS
DEFINITION
ACCESSION
VERSION
KEYWORDS
SOURCE
ORGANISM
REFERENCE
AUTHORS
TITLE
JOURNAL
FEATURES
source
17 bp DNA PAT 08-MAY-2003
Sequence 2839 from Patent WO03025177.
AX737249
AX737249.1 GI:30516537
Homo sapiens (human)
Homo sapiens
Eukaryota; Metazoa; Chordata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
Telerman,A., Amson,R. and Tuijnder,M.
Sequences involved in phenomena of tumour suppression, tumour
reversion, apoptosis and/or resistance to viruses and the use
thereof as medicaments
Patent: WO 03025177-A 2839 27-MAR-2003;
Molecular Engines Laboratories (FR)
Location/Qualifiers
1. .17
/organism="Homo sapiens"
/mol_type="unassigned DNA"
/db_xref="taxon:9606"

Query Match 11.1%; Score 14.4; DB 1; Length 17;
Best Local Similarity 93.8%; Pred. No. 16;
Matches 15; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1402 TAAATTTGTTAATGAT 1417
Db 17 TAAACTTGTAAATGAT 2

RESULT 7
AX761700/c
LOCUS
DEFINITION
ACCESSION
VERSION
KEYWORDS
SOURCE
ORGANISM
REFERENCE
AUTHORS
TITLE
JOURNAL
FEATURES
source
11.1%; Score 14.4; DB 1; Length 17;
Best Local Similarity 93.8%; Pred. No. 16;
Matches 15; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1402 TAAATTTGTTAATGAT 1417
Db 17 TAAACTTGTAAATGAT 2

RESULT 8
BD230189
LOCUS
DEFINITION
ACCESSION
VERSION
KEYWORDS
SOURCE
ORGANISM
REFERENCE
AUTHORS
TITLE
JOURNAL
COMMENT
FEATURES
source
20 bp DNA PAT 17-JUL-2003
Total genome radiation hybrid map of canine genome and its use for
identification of interesting genes.
BD230189
BD230189.1 GI:33039959
JP 2002530091-A/58.
Canis familiaris (dog)
Canis familiaris
Eukaryota; Metazoa; Chordata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Carnivora; Fissipedia; Canidae; Canis.
1 (bases 1 to 20)
Galibert,F. and Andre,C.
Total genome radiation hybrid map of canine genome and its use for
identification of interesting genes
Patent: JP 2002530091-A 58 17-SEP-2002;
CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE
OS Canis familiaris (dog)
PN JP 2002530091-A/58
PD 17-SEP-2002
PF 15-NOV-1999 JP 2000582596
PR 13-NOV-1998 US 60/108193
PI FRANCIS GALIBERT,CATHERINE ANDRE
PC C12N15/09,C12Q1/68,C12N15/00
CC Ren12H20
FH Key
FT source
Location/Qualifiers
1. .20
/organism="Canis familiaris"
/mol_type="genomic DNA"
/db_xref="taxon:9615"

Query Match 10.9%; Score 14.2; DB 1; Length 20;
Best Local Similarity 84.2%; Pred. No. 21;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1435 AGACATATACATGGAAGAT 1453
Db 2 AGACATGGACACAGGAAGAT 20

AX761700
AX761700.1 GI:32256316
Homo sapiens (human)
Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
Telerman,A., Amson,R. and Tuijnder,M.
Sequences involved in tumoral suppression, tumoral reversion,
apoptosis and/or viral resistance phenomena and their use as
medicines
Patent: WO 03040369-A 5021 15-MAY-2003;
Molecular Engines Laboratories (FR)
Location/Qualifiers
1. .17
/organism="Homo sapiens"
/mol_type="unassigned DNA"
/db_xref="taxon:9606"

Query Match 11.1%; Score 14.4; DB 1; Length 17;
Best Local Similarity 93.8%; Pred. No. 16;
Matches 15; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1402 TAAATTTGTTAATGAT 1417
Db 17 TAAACTTGTAAATGAT 2

RESULT 8
BD230189
LOCUS
DEFINITION
ACCESSION
VERSION
KEYWORDS
SOURCE
ORGANISM
REFERENCE
AUTHORS
TITLE
JOURNAL
COMMENT
FEATURES
source
20 bp DNA PAT 17-JUL-2003
Total genome radiation hybrid map of canine genome and its use for
identification of interesting genes.
BD230189
BD230189.1 GI:33039959
JP 2002530091-A/58.
Canis familiaris (dog)
Canis familiaris
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Carnivora; Fissipedia; Canidae; Canis.
1 (bases 1 to 20)
Galibert,F. and Andre,C.
Total genome radiation hybrid map of canine genome and its use for
identification of interesting genes
Patent: JP 2002530091-A 58 17-SEP-2002;
CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE
OS Canis familiaris (dog)
PN JP 2002530091-A/58
PD 17-SEP-2002
PF 15-NOV-1999 JP 2000582596
PR 13-NOV-1998 US 60/108193
PI FRANCIS GALIBERT,CATHERINE ANDRE
PC C12N15/09,C12Q1/68,C12N15/00
CC Ren12H20
FH Key
FT source
Location/Qualifiers
1. .20
/organism="Canis familiaris"
/mol_type="genomic DNA"
/db_xref="taxon:9615"

Query Match 10.9%; Score 14.2; DB 1; Length 20;
Best Local Similarity 84.2%; Pred. No. 21;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1435 AGACATATACATGGAAGAT 1453
Db 2 AGACATGGACACAGGAAGAT 20

RESULT 9
AR313236/c
LOCUS AR313236 20 bp DNA linear PAT 12-JUN-2003
DEFINITION Sequence 3773 from patent US 6559294.
ACCESSION AR313236
VERSION AR313236.1 GI:31706662
KEYWORDS
SOURCE Unknown.
ORGANISM Unclassified.
REFERENCE 1 (bases 1 to 20)
AUTHORS Griffais,R., Hoiseth,S.K., Zagursky,R.J., Metcalf,B.J., Peek,J.A., Sankaran,B. and Fletcher,L.D.
TITLE Chlamydia pneumoniae polynucleotides and uses thereof
JOURNAL Patent: US 6559294-A 3773 06-MAY-2003;
FEATURES
source
1. .20
/organism="unknown"
/mol_type="genomic DNA"
Query Match 10.9%; Score 14.2; DB 1; Length 20;
Best Local Similarity 84.2%; Pred. No. 21;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
QY 1354 GAAAAATATTCACGCATC 1372
||||| ||| |||||
Db 20 GAAAAAATGCGCGCATC 2
RESULT 10
BD234621
LOCUS BD234621 18 bp DNA linear PAT 17-JUL-2003
DEFINITION Thymidine kinase mutants and fusion proteins having thymidine kinase and guanylate kinase activities.
ACCESSION BD234621
VERSION BD234621.1 GI:33044391
KEYWORDS JP 2002516061-A/25.
SOURCE unidentified
ORGANISM unidentified
REFERENCE 1 (bases 1 to 18)
AUTHORS Black,M.E.
TITLE Thymidine kinase mutants and fusion proteins having thymidine kinase and guanylate kinase activities
JOURNAL Patent: JP 2002516061-A 25 04-JUN-2002;
COMMENT DARWIN MOLECULAR CORP
OS Unidentified
PN JP 2002516061-A/25
PD 04-JUN-2002
PF 14-OCT-1998 JP 2000516019
PR 14-OCT-1997 US 60/061812
PI MARGARET E BLACK
PC C12N15/09,A61K31/711,A61K35/76,A61K38/45,A61K48/00,A61K49/00,
PC A61P31/00,
PC A61P35/00,C12N5/10,C12N9/12,C12N15/00,A61K37/52,C12N5/00 CC
Strandedness: Single;
CC Topology: Linear;
CC Thymidine kinase mutants and fusion proteins having thymidine kinase and
CC guanylate kinase activities
FH Key Location/Qualifiers
FT source 1. .18
FT /organism='Unidentified'.
FEATURES
source
1. .18
/organism="unidentified"
/mol_type="genomic DNA"
/db_xref="taxon:32644"
Query Match 10.8%; Score 14; DB 1; Length 18;
Best Local Similarity 100.0%; Pred. No. 21;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1354 GAAAAATATTCACGCATC 1372
||||| ||| |||||
Db 20 GAAAAAATGCGCGCATC 2

QY 1409 GTTAATGATGACCA 1422
||||| ||| |||||
Db 1 GTTAATGATGACCA 14
RESULT 11
AR230217
LOCUS AR230217 18 bp DNA linear PAT 20-DEC-2002
DEFINITION Sequence 31 from patent US 6451571.
ACCESSION AR230217
VERSION AR230217.1 GI:27270272
KEYWORDS
SOURCE Unknown.
ORGANISM Unknown.
REFERENCE 1 (bases 1 to 18)
AUTHORS Loeb,L.A. and Black,M.E.
TITLE Thymidine kinase mutants
JOURNAL Patent: US 6451571-A 31 17-SEP-2002;
FEATURES
source
1. .18
/organism="unknown"
/mol_type="genomic DNA"
Query Match 10.8%; Score 14; DB 1; Length 18;
Best Local Similarity 100.0%; Pred. No. 21;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1409 GTTAATGATGACCA 1422
||||| ||| |||||
Db 1 GTTAATGATGACCA 14
RESULT 12
AX422219
LOCUS AX422219 17 bp RNA linear PAT 18-JUN-2002
DEFINITION Sequence 555 from Patent WO0188124.
ACCESSION AX422219
VERSION AX422219.1 GI:21525601
KEYWORDS
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
REFERENCE 1
AUTHORS Jarvis,T., von Carlowitz,I., Mcswiggen,J.A., McLaughlin,F.G. and Randi,A.M.
TITLE Method and reagent for the inhibition of erg
JOURNAL Patent: WO 0188124-A 555 22-NOV-2001;
FEATURES RIBOZYME PHARMACEUTICALS, INC. (US); GLAXO GROUP LIMITED (GB)
source
1. .17
/organism="Homo sapiens"
/mol_type="unassigned RNA"
/db_xref="taxon:9606"
Query Match 10.6%; Score 13.8; DB 1; Length 17;
Best Local Similarity 88.2%; Pred. No. 22;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
QY 1414 TGATGACCAGTCGTTCT 1430
||||| ||| |||||
Db 1 TGAGGACCAGTCGTTGT 17
RESULT 13
AX499824/c
LOCUS AX499824 17 bp DNA linear PAT 27-SEP-2002
DEFINITION Sequence 1131 from Patent EP1229046.
ACCESSION AX499824
VERSION AX499824.1 GI:23382117
KEYWORDS
SOURCE Homo sapiens (human)

ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
1
REFERENCE Zhan, J.
AUTHORS Human testis expressed patched like protein
TITLE Patent: EP 1229046-A 1131 07-AUG-2002;
JOURNAL Aeomica, Inc. (US)
FEATURES Location/Qualifiers
source 1..17
/organism="Homo sapiens"
/mol_type="unassigned DNA"
/db_xref="taxon:9606"

Query Match 10.6%; Score 13.8; DB 1; Length 17;
Best Local Similarity 88.2%; Pred. No. 22;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1457 TTGATCAAGCAATAGG 1473
Db 17 TTGATCGAGCAATGGG 1

RESULT 14
AX736991
LOCUS AX736991 17 bp DNA linear PAT 08-MAY-2003
DEFINITION Sequence 2581 from Patent WO03025177.
ACCESSION AX736991
VERSION AX736991.1 GI:30516279
KEYWORDS
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
1
REFERENCE Telerman, A., Anson, R. and Tuijnder, M.
AUTHORS Sequences involved in phenomena of tumour suppression, tumour
TITLE reversion, apoptosis and/or resistance to viruses and the use
thereof as medicaments
JOURNAL Patent: WO 03025177-A 2581 27-MAR-2003;
Molecular Engines Laboratories (FR)
FEATURES Location/Qualifiers
source 1..17
/organism="Homo sapiens"
/mol_type="unassigned DNA"
/db_xref="taxon:9606"

Query Match 10.6%; Score 13.8; DB 1; Length 17;
Best Local Similarity 88.2%; Pred. No. 22;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1390 GATCAAGGAGGTAAAA 1406
Db 1 GATCAAGGAGGAAAAA 17

RESULT 15
AR294174/c
LOCUS AR294174 19 bp DNA linear PAT 12-JUN-2003
DEFINITION Sequence 5909 from patent US 6537751.
ACCESSION AR294174
VERSION AR294174.1 GI:31681458
KEYWORDS
SOURCE Unknown.
ORGANISM Unknown.
Unclassified.
REFERENCE 1 (bases 1 to 19)
AUTHORS Cohen, D., Chumakov, I. and Blumenfeld, M.
TITLE Biallelic markers for use in constructing a high density
disequilibrium map of the human genome
JOURNAL Patent: US 6537751-A 5909 25-MAR-2003;
FEATURES Location/Qualifiers
source 1..19

/organism="unknown"
/mol_type="genomic DNA"

Query Match 10.6%; Score 13.8; DB 1; Length 19;
Best Local Similarity 88.2%; Pred. No. 24;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1354 GAAAAATATTCACGCA 1370
Db 19 GAAAAATAGTACACGCA 3

RESULT 16
AX131809
LOCUS AX131809 19 bp DNA linear PAT 15-MAY-2001
DEFINITION Sequence 3027 from Patent WO0130362.
ACCESSION AX131809
VERSION AX131809.1 GI:14138114
KEYWORDS
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
1
REFERENCE Robbins, J.M. and Tritz, R.
AUTHORS Ribozyme therapy for the treatment of proliferative skin and eye
TITLE diseases
JOURNAL Patent: WO 0130362-A 3027 03-MAY-2001;
IMMUSOL, INC. (US)
FEATURES Location/Qualifiers
source 1..19
/organism="Homo sapiens"
/mol_type="unassigned DNA"
/db_xref="taxon:9606"
/note="Cyclin A1 ribozyme binding site"

Query Match 10.6%; Score 13.8; DB 1; Length 19;
Best Local Similarity 88.2%; Pred. No. 24;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1436 GACATATACATGGAAGA 1452
Db 3 GACATCTACATGGATGA 19

RESULT 17
AX422218
LOCUS AX422218 17 bp RNA linear PAT 18-JUN-2002
DEFINITION Sequence 554 from Patent WO0188124.
ACCESSION AX422218
VERSION AX422218.1 GI:21525600
KEYWORDS
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
1
REFERENCE Jarvis, T., von Carlowitz, I., Mcswiggen, J.A., McLaughlin, F.G. and
AUTHORS Randi, A.M.
TITLE Method and reagent for the inhibition of erg
JOURNAL Patent: WO 0188124-A 554 22-NOV-2001;
RIBOZYME PHARMACEUTICALS, INC. (US); GLAXO GROUP LIMITED (GB)
FEATURES Location/Qualifiers
source 1..17
/organism="Homo sapiens"
/mol_type="unassigned RNA"
/db_xref="taxon:9606"

Query Match 10.3%; Score 13.4; DB 1; Length 17;
Best Local Similarity 93.3%; Pred. No. 27;
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1414 TGATGACCAGTCGTT 1428

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Db          AX572318.1  GI:26004408
            ||| ||| ||| ||| ||| ||| |||
            2 TGAGGACGATCGTT 16

RESULT 18
AX572317
LOCUS      AX572317          17 bp  DNA  linear  PAT 29-NOV-2002
DEFINITION Sequence 357 from Patent WO02055741.
ACCESSION  AX572317
VERSION    AX572317.1  GI:26004407
KEYWORDS   .
SOURCE     Human immunodeficiency virus
ORGANISM   Human immunodeficiency virus
            Viruses; Retroid viruses; Retroviridae; Lentivirus; Primate
            lentivirus group.
REFERENCE  1
AUTHORS    de Smet,K. and Stuyver,L.
TITLE      Method for detection of drug-induced mutations in the hiv reverse
            transcriptase gene
JOURNAL    Patent: WO 02055741-A 357 18-JUL-2002;
            INNOGENETICS N.V. (BE)
FEATURES   Location/Qualifiers
            source
            1..17
            /organism="Human immunodeficiency virus"
            /mol_type="unassigned DNA"
            /db_xref="taxon:12721"

Query Match      10.3%; Score 13.4; DB 1; Length 17;
Best Local Similarity 93.3%; Pred. No. 27;
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy      1441 ATACATGGAAGATGG 1455
Db      3 ATACATGGACGATGG 17

RESULT 19
AX572319
LOCUS      AX572319          17 bp  DNA  linear  PAT 29-NOV-2002
DEFINITION Sequence 359 from Patent WO02055741.
ACCESSION  AX572319
VERSION    AX572319.1  GI:26004409
KEYWORDS   .
SOURCE     Human immunodeficiency virus
ORGANISM   Human immunodeficiency virus
            Viruses; Retroid viruses; Retroviridae; Lentivirus; Primate
            lentivirus group.
REFERENCE  1
AUTHORS    de Smet,K. and Stuyver,L.
TITLE      Method for detection of drug-induced mutations in the hiv reverse
            transcriptase gene
JOURNAL    Patent: WO 02055741-A 359 18-JUL-2002;
            INNOGENETICS N.V. (BE)
FEATURES   Location/Qualifiers
            source
            1..17
            /organism="Human immunodeficiency virus"
            /mol_type="unassigned DNA"
            /db_xref="taxon:12721"

Query Match      10.3%; Score 13.4; DB 1; Length 17;
Best Local Similarity 93.3%; Pred. No. 27;
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy      1441 ATACATGGAAGATGG 1455
Db      3 ATACATGGATGATGG 17

RESULT 20
AX572318
LOCUS      AX572318          18 bp  DNA  linear  PAT 29-NOV-2002
DEFINITION Sequence 358 from Patent WO02055741.
ACCESSION  AX572318
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VERSION      AX572318.1  GI:26004408
KEYWORDS     .
SOURCE       Human immunodeficiency virus
ORGANISM     Human immunodeficiency virus
            Viruses; Retroid viruses; Retroviridae; Lentivirus; Primate
            lentivirus group.
REFERENCE  1
AUTHORS      de Smet,K. and Stuyver,L.
TITLE        Method for detection of drug-induced mutations in the hiv reverse
            transcriptase gene
JOURNAL      Patent: WO 02055741-A 358 18-JUL-2002;
            INNOGENETICS N.V. (BE)
FEATURES     Location/Qualifiers
            source
            1..18
            /organism="Human immunodeficiency virus"
            /mol_type="unassigned DNA"
            /db_xref="taxon:12721"

Query Match      10.3%; Score 13.4; DB 1; Length 18;
Best Local Similarity 93.3%; Pred. No. 29;
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy      1441 ATACATGGAAGATGG 1455
Db      4 ATACATGGACGATGG 18

RESULT 21
AX020754
LOCUS      AX020754          18 bp  DNA  linear  PAT 07-SEP-2000
DEFINITION Sequence 254 from Patent WO9934016.
ACCESSION  AX020754
VERSION    AX020754.1  GI:10044453
KEYWORDS   .
SOURCE     Homo sapiens (human)
ORGANISM   Homo sapiens
            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
            Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE  1
AUTHORS     Vider,B.Z.
TITLE       A method for identifying and characterizing cells and tissues
JOURNAL     Patent: WO 9934016-A 254 08-JUL-1999;
            GENENA LTD (IL); VIDER BEN ZION (IL)
FEATURES    Location/Qualifiers
            source
            1..18
            /organism="Homo sapiens"
            /mol_type="unassigned DNA"
            /db_xref="taxon:9606"

Query Match      10.2%; Score 13.2; DB 1; Length 18;
Best Local Similarity 83.3%; Pred. No. 32;
Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy      1430 TATGCAGACATATACATG 1447
Db      1 TATCCGGACATATTCATG 18

RESULT 22
BD255277/c
LOCUS      BD255277          17 bp  DNA  linear  PAT 17-JUL-2003
DEFINITION Regulation of repressor genes using nucleic acid molecules.
ACCESSION  BD255277
VERSION    BD255277.1  GI:33065047
KEYWORDS   JP 2002541795-A/3070.
SOURCE     unidentified
ORGANISM   unidentified
            unclassified.
            1 (bases 1 to 17)
REFERENCE  1
AUTHORS     Blatt,L., Zwick,M., Pavco,P. and Mcswiggen,J.
TITLE       Regulation of repressor genes using nucleic acid molecules
JOURNAL     Patent: JP 2002541795-A 3070 10-DEC-2002;
            RIBOZYME PHARMACEUTICALS INC
```



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PD 10-DEC-2002
PF 11-APR-2000 JP 2000611654
PR 12-APR-1999 US 60/129390
PI LAWRENCE BLATT,MICHAEL ZWICK,PAMELA PAVCO,JAMES MCSWIGGEN PC
C12N15/09,A61K38/00,A61K48/00,A61P43/00,A61P43/00,C12N5/10, PC
C12P21/02,
PC
C12P21/02,C12P21/02//A61K31/711,(C12N5/10,C12R1:91),(C12P21/02, PC
C12R1:91),
PC (C12P21/02,C12R1:91),(C12P21/02,C12R1:91),C12N15/00,C12N5/00,
PC A61K37/02,
PC (C12N5/00,C12R1:91)
CC Regulation of repressor genes using nucleic acid molecules FH
Key Location/Qualifiers
FT source 1..17
FT /organism='Eukaryote'.

FEATURES
source
Location/Qualifiers
1..17
/organism="unidentified"
/mol_type="genomic DNA"
/db_xref="taxon:32644"

Query Match 10.0%; Score 13; DB 1; Length 17;
Best Local Similarity 100.0%; Pred. No. 34;
Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1350 GGAAGAAAAATAT 1362
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Db 14 GGAAGAAAAATAT 2

RESULT 26
BD255281/c
LOCUS
DEFINITION Regulation of repressor genes using nucleic acid molecules.
ACCESSION BD255281
VERSION BD255281.1 GI:33065051
KEYWORDS JP 2002541795-A/3074.
SOURCE unidentified
ORGANISM unclassified.
REFERENCE 1 (bases 1 to 17)
AUTHORS Blatt,L., Zwick,M., Pavco,P. and Mcswiggen,J.
TITLE Regulation of repressor genes using nucleic acid molecules
JOURNAL Patent: JP 2002541795-A 3074 10-DEC-2002;
RIBOZYME PHARMACEUTICALS INC
COMMENT OS Eukaryote
PN JP 2002541795-A/3074
PD 10-DEC-2002
PF 11-APR-2000 JP 2000611654
PR 12-APR-1999 US 60/129390
PI LAWRENCE BLATT,MICHAEL ZWICK,PAMELA PAVCO,JAMES MCSWIGGEN PC
C12N15/09,A61K38/00,A61K48/00,A61P43/00,A61P43/00,C12N5/10, PC
C12P21/02,
PC
C12P21/02,C12P21/02//A61K31/711,(C12N5/10,C12R1:91),(C12P21/02, PC
C12R1:91),
PC (C12P21/02,C12R1:91),(C12P21/02,C12R1:91),C12N15/00,C12N5/00,
PC A61K37/02,
PC (C12N5/00,C12R1:91)
CC Regulation of repressor genes using nucleic acid molecules FH
Key Location/Qualifiers
FT source 1..17
FT /organism='Eukaryote'.

FEATURES
source
Location/Qualifiers
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/organism="unidentified"
/mol_type="genomic DNA"
/db_xref="taxon:32644"

Query Match 10.0%; Score 13; DB 1; Length 17;
Best Local Similarity 100.0%; Pred. No. 34;
Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1350 GGAAGAAAAATAT 1362
|||||
Db 14 GGAAGAAAAATAT 2

RESULT 26
BD255281/c
LOCUS
DEFINITION Regulation of repressor genes using nucleic acid molecules.
ACCESSION BD255281
VERSION BD255281.1 GI:33065051
KEYWORDS JP 2002541795-A/3074.
SOURCE unidentified
ORGANISM unclassified.
REFERENCE 1 (bases 1 to 17)
AUTHORS Blatt,L., Zwick,M., Pavco,P. and Mcswiggen,J.
TITLE Regulation of repressor genes using nucleic acid molecules
JOURNAL Patent: JP 2002541795-A 3074 10-DEC-2002;
RIBOZYME PHARMACEUTICALS INC
COMMENT OS Eukaryote
PN JP 2002541795-A/3074
PD 10-DEC-2002
PF 11-APR-2000 JP 2000611654
PR 12-APR-1999 US 60/129390
PI LAWRENCE BLATT,MICHAEL ZWICK,PAMELA PAVCO,JAMES MCSWIGGEN PC
C12N15/09,A61K38/00,A61K48/00,A61P43/00,A61P43/00,C12N5/10, PC
C12P21/02,
PC
C12P21/02,C12P21/02//A61K31/711,(C12N5/10,C12R1:91),(C12P21/02, PC
C12R1:91),
PC (C12P21/02,C12R1:91),(C12P21/02,C12R1:91),C12N15/00,C12N5/00,
PC A61K37/02,
PC (C12N5/00,C12R1:91)
CC Regulation of repressor genes using nucleic acid molecules FH
Key Location/Qualifiers
FT source 1..17
FT /organism='Eukaryote'.

FEATURES
source
Location/Qualifiers
1..17
/organism="unidentified"
/mol_type="genomic DNA"
/db_xref="taxon:32644"

Query Match 10.0%; Score 13; DB 1; Length 17;
Best Local Similarity 100.0%; Pred. No. 34;
Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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QY 1350 GGAAGAAAAATAT 1362
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Db 13 GGAAGAAAAATAT 1

RESULT 27
BD255283/c
LOCUS
DEFINITION Regulation of repressor genes using nucleic acid molecules.
ACCESSION BD255283
VERSION BD255283.1 GI:33065053
KEYWORDS JP 2002541795-A/3076.
SOURCE unidentified
ORGANISM unidentified
REFERENCE 1 (bases 1 to 17)
AUTHORS Blatt,L., Zwick,M., Pavco,P. and Mcswiggen,J.
TITLE Regulation of repressor genes using nucleic acid molecules
JOURNAL Patent: JP 2002541795-A 3076 10-DEC-2002;
RIBOZYME PHARMACEUTICALS INC
COMMENT OS Eukaryote
PN JP 2002541795-A/3076
PD 10-DEC-2002
PF 11-APR-2000 JP 2000611654
PR 12-APR-1999 US 60/129390
PI LAWRENCE BLATT,MICHAEL ZWICK,PAMELA PAVCO,JAMES MCSWIGGEN PC
C12N15/09,A61K38/00,A61K48/00,A61P43/00,A61P43/00,C12N5/10, PC
C12P21/02,
PC
C12P21/02,C12P21/02//A61K31/711,(C12N5/10,C12R1:91),(C12P21/02, PC
C12R1:91),
PC (C12P21/02,C12R1:91),(C12P21/02,C12R1:91),C12N15/00,C12N5/00,
PC A61K37/02,
PC (C12N5/00,C12R1:91)
CC Regulation of repressor genes using nucleic acid molecules FH
Key Location/Qualifiers
FT source 1..17
FT /organism='Eukaryote'.

FEATURES
source
Location/Qualifiers
1..17
/organism="unidentified"
/mol_type="genomic DNA"
/db_xref="taxon:32644"

Query Match 10.0%; Score 13; DB 1; Length 17;
Best Local Similarity 100.0%; Pred. No. 34;
Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1440 TATACATGGAAGA 1452
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Db 17 TATACATGGAAGA 5

RESULT 28
AX671728
LOCUS
DEFINITION Sequence 173 from Patent WO03004526.
ACCESSION AX671728
VERSION AX671728.1 GI:29330076
KEYWORDS
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
REFERENCE 1
AUTHORS Telerman,A., Amson,R. and Tuijnder,M.
TITLE Sequences involved in phenomena of tumour suppression, tumour
reversion, apoptosis and/or resistance to viruses and their use as
medicines
JOURNAL Patent: WO 03004526-A 173 16-JAN-2003;
Molecular Engines Laboratories (FR)
FEATURES Location/Qualifiers
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/organism="Homo sapiens"
/mol_type="unassigned RNA"
/db_xref="taxon:9606"

Query Match          9.8%;  Score 12.8;  DB 1;  Length 17;
Best Local Similarity 87.5%;  Pred. No. 37;
Matches 14;  Conservative 0;  Mismatches 2;  Indels 0;  Gaps 0;

QY  1418 GACCAGTCGTTCTATG 1433
      |||||
Db   2 GACCAGTCGTTGTTG 17

RESULT 33
AX423054
LOCUS          AX423054          17 bp      RNA          linear          PAT 18-JUN-2002
DEFINITION    Sequence 1390 from Patent WO0188124.
ACCESSION     AX423054
VERSION       AX423054.1  GI:21526436
KEYWORDS
SOURCE        Homo sapiens (human)
ORGANISM      Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE     1
AUTHORS       Jarvis,T., von Carlowitz,I., Mcswiggen,J.A., McLaughlin,F.G. and
              Randi,A.M.
TITLE         Method and reagent for the inhibition of erg
JOURNAL       Patent: WO 0188124-A 1390 22-NOV-2001;
              RIBOZYME PHARMACEUTICALS, INC. (US) ; GLAXO GROUP LIMITED (GB)
FEATURES
source       1. .17
              /organism="Homo sapiens"
              /mol_type="unassigned RNA"
              /db_xref="taxon:9606"

Query Match          9.8%;  Score 12.8;  DB 1;  Length 17;
Best Local Similarity 87.5%;  Pred. No. 37;
Matches 14;  Conservative 0;  Mismatches 2;  Indels 0;  Gaps 0;

QY  1415 GATGACCAGTCGTTCT 1430
      |||||
Db   1 GAGGACCAGTCGTTGT 16

RESULT 34
AX423055
LOCUS          AX423055          17 bp      RNA          linear          PAT 18-JUN-2002
DEFINITION    Sequence 1391 from Patent WO0188124.
ACCESSION     AX423055
VERSION       AX423055.1  GI:21526437
KEYWORDS
SOURCE        Homo sapiens (human)
ORGANISM      Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE     1
AUTHORS       Jarvis,T., von Carlowitz,I., Mcswiggen,J.A., McLaughlin,F.G. and
              Randi,A.M.
TITLE         Method and reagent for the inhibition of erg
JOURNAL       Patent: WO 0188124-A 1391 22-NOV-2001;
              RIBOZYME PHARMACEUTICALS, INC. (US) ; GLAXO GROUP LIMITED (GB)
FEATURES
source       1. .17
              /organism="Homo sapiens"
              /mol_type="unassigned RNA"
              /db_xref="taxon:9606"

Query Match          9.8%;  Score 12.8;  DB 1;  Length 17;
Best Local Similarity 87.5%;  Pred. No. 37;
Matches 14;  Conservative 0;  Mismatches 2;  Indels 0;  Gaps 0;

QY  1418 GACCAGTCGTTCTATG 1433
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Db   1 GACCAGTCGTTGTTG 16

RESULT 35
AX423239
LOCUS          AX423239          17 bp      RNA          linear          PAT 18-JUN-2002
DEFINITION    Sequence 1575 from Patent WO0188124.
ACCESSION     AX423239
VERSION       AX423239.1  GI:21526621
KEYWORDS
SOURCE        Homo sapiens (human)
ORGANISM      Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE     1
AUTHORS       Jarvis,T., von Carlowitz,I., Mcswiggen,J.A., McLaughlin,F.G. and
              Randi,A.M.
TITLE         Method and reagent for the inhibition of erg
JOURNAL       Patent: WO 0188124-A 1575 22-NOV-2001;
              RIBOZYME PHARMACEUTICALS, INC. (US) ; GLAXO GROUP LIMITED (GB)
FEATURES
source       1. .17
              /organism="Homo sapiens"
              /mol_type="unassigned RNA"
              /db_xref="taxon:9606"

Query Match          9.8%;  Score 12.8;  DB 1;  Length 17;
Best Local Similarity 87.5%;  Pred. No. 37;
Matches 14;  Conservative 0;  Mismatches 2;  Indels 0;  Gaps 0;

QY  1412 AATGATGACCAGTCGT 1427
      |||||
Db   2 AGTGAGGACCAGTCGT 17

RESULT 36
AX499823/c
LOCUS          AX499823          17 bp      DNA          linear          PAT 27-SEP-2002
DEFINITION    Sequence 1130 from Patent EP1229046.
ACCESSION     AX499823
VERSION       AX499823.1  GI:23382116
KEYWORDS
SOURCE        Homo sapiens (human)
ORGANISM      Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE     1
AUTHORS       Zhan,J.
TITLE         Human testis expressed patched like protein
JOURNAL       Patent: EP 1229046-A 1130 07-AUG-2002;
              Aeomica, Inc. (US)
FEATURES
source       1. .17
              /organism="Homo sapiens"
              /mol_type="unassigned DNA"
              /db_xref="taxon:9606"

Query Match          9.8%;  Score 12.8;  DB 1;  Length 17;
Best Local Similarity 87.5%;  Pred. No. 37;
Matches 14;  Conservative 0;  Mismatches 2;  Indels 0;  Gaps 0;

QY  1458 TGATCAAGCAAATAGG 1473
      |||||
Db   17 TGATCGAGCAAATGGG 2

RESULT 37
AX499825/c
LOCUS          AX499825          17 bp      DNA          linear          PAT 27-SEP-2002
DEFINITION    Sequence 1132 from Patent EP1229046.
ACCESSION     AX499825
VERSION       AX499825.1  GI:23382118
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KEYWORDS
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE 1
AUTHORS Zhan,J.
TITLE Human testis expressed patched like protein
JOURNAL Patent: EP 1229046-A 1132 07-AUG-2002;
Aecomica, Inc. (US)
FEATURES Location/Qualifiers
source 1..17
/organism="Homo sapiens"
/mol_type="unassigned DNA"
/db_xref="taxon:9606"
Query Match 9.8%; Score 12.8; DB 1; Length 17;
Best Local Similarity 87.5%; Pred. No. 37;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
QY 1457 TTGATCAAGCAATAG 1472
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Db 16 TTGATCGAGCAATGG 1
RESULT 38
AX673562/c
LOCUS
DEFINITION Sequence 2007 from Patent WO03004526.
ACCESSION AX673562
VERSION AX673562.1 GI:29331910
KEYWORDS
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE 1
AUTHORS Telerman,A., Amson,R. and Tuijnder,M.
TITLE Sequences involved in phenomena of tumour suppression, tumour
reversion, apoptosis and/or resistance to viruses and their use as
medicines
JOURNAL Patent: WO 03004526-A 2007 16-JAN-2003;
Molecular Engines Laboratories (FR)
FEATURES Location/Qualifiers
source 1..17
/organism="Homo sapiens"
/mol_type="unassigned DNA"
/db_xref="taxon:9606"
Query Match 9.8%; Score 12.8; DB 1; Length 17;
Best Local Similarity 87.5%; Pred. No. 37;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
QY 1357 AAATATTCCAGCATC 1372
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Db 16 AAATATTCCAAGGATC 1
RESULT 39
AX724377
LOCUS
DEFINITION Sequence 2064 from Patent WO03025176.
ACCESSION AX724377
VERSION AX724377.1 GI:30503720
KEYWORDS
SOURCE Mus musculus (house mouse)
ORGANISM Mus musculus
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
REFERENCE 1
AUTHORS Telerman,A., Amson,R. and Tuijnder,M.
TITLE Sequences involved in phenomena of tumour suppression, tumour
reversion, apoptosis and/or virus resistance and their use as

medicines
JOURNAL Patent: WO 03025176-A 2064 27-MAR-2003;
Molecular Engines Laboratories (FR)
FEATURES Location/Qualifiers
source 1..17
/organism="Mus musculus"
/mol_type="unassigned DNA"
/db_xref="taxon:10090"
Query Match 9.8%; Score 12.8; DB 1; Length 17;
Best Local Similarity 87.5%; Pred. No. 37;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
QY 1390 GATCAAAGGAGGTAA 1405
|||||
Db 1 GATCTAAGGAGGTATA 16
RESULT 40
AX725568
LOCUS
DEFINITION Sequence 3255 from Patent WO03025176.
ACCESSION AX725568
VERSION AX725568.1 GI:30504911
KEYWORDS
SOURCE Mus musculus (house mouse)
ORGANISM Mus musculus
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
REFERENCE 1
AUTHORS Telerman,A., Amson,R. and Tuijnder,M.
TITLE Sequences involved in phenomena of tumour suppression, tumour
reversion, apoptosis and/or virus resistance and their use as
medicines
JOURNAL Patent: WO 03025176-A 3255 27-MAR-2003;
Molecular Engines Laboratories (FR)
FEATURES Location/Qualifiers
source 1..17
/organism="Mus musculus"
/mol_type="unassigned DNA"
/db_xref="taxon:10090"
Query Match 9.8%; Score 12.8; DB 1; Length 17;
Best Local Similarity 87.5%; Pred. No. 37;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
QY 1459 GATCAAGCAAATAGGA 1474
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Db 1 GATCAAGCCACTAGGA 16
RESULT 41
AX731235/c
LOCUS
DEFINITION Sequence 2869 from Patent WO03025175.
ACCESSION AX731235
VERSION AX731235.1 GI:30510578
KEYWORDS
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE 1
AUTHORS Telerman,A., Amson,R. and Tuijnder,M.
TITLE Sequences involved in phenomena of tumour suppression, tumour
reversion, apoptosis and/or virus resistance and their use as
medicines
JOURNAL Patent: WO 03025175-A 2869 27-MAR-2003;
Molecular Engines Laboratories (FR)
FEATURES Location/Qualifiers
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/organism="Homo sapiens"
/mol_type="unassigned DNA"

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/db_xref="taxon:9606"

Query Match          9.8%; Score 12.8; DB 1; Length 17;
Best Local Similarity 87.5%; Pred. No. 37;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1396 AGGAGGTAAATGTT 1411
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Db 17 AGGAGATAAAATGAT 2

RESULT 42
AX731362/c
LOCUS AX731362 17 bp DNA linear PAT 08-MAY-2003
DEFINITION Sequence 2996 from Patent WO03025175.
ACCESSION AX731362
VERSION AX731362.1 GI:30510705
KEYWORDS
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE
AUTHORS Telerman,A., Amson,R. and Tuijnder,M.
TITLE Sequences involved in phenomena of tumour suppression, tumour
reversion, apoptosis and/or virus resistance and their use as
medicines
JOURNAL Patent: WO 03025175-A 2996 27-MAR-2003;
Molecular Engines Laboratories (FR)
FEATURES
source Location/Qualifiers
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/organism="Homo sapiens"
/mol_type="unassigned DNA"
/db_xref="taxon:9606"

Query Match          9.8%; Score 12.8; DB 1; Length 17;
Best Local Similarity 87.5%; Pred. No. 37;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1402 TAAATTTGTTAATGAT 1417
||||| ||||| |||||
Db 17 TAAAAATGCTAATGAT 2

RESULT 43
AX732711/c
LOCUS AX732711 17 bp DNA linear PAT 08-MAY-2003
DEFINITION Sequence 4345 from Patent WO03025175.
ACCESSION AX732711
VERSION AX732711.1 GI:30512054
KEYWORDS
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE
AUTHORS Telerman,A., Amson,R. and Tuijnder,M.
TITLE Sequences involved in phenomena of tumour suppression, tumour
reversion, apoptosis and/or virus resistance and their use as
medicines
JOURNAL Patent: WO 03025175-A 4345 27-MAR-2003;
Molecular Engines Laboratories (FR)
FEATURES
source Location/Qualifiers
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/organism="Homo sapiens"
/mol_type="unassigned DNA"
/db_xref="taxon:9606"

Query Match          9.8%; Score 12.8; DB 1; Length 17;
Best Local Similarity 87.5%; Pred. No. 37;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1438 CATATACATGAAGAT 1453
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Db 17 CATATACATGAAGAT 2

RESULT 44
AX738363/c
LOCUS AX738363 17 bp DNA linear PAT 08-MAY-2003
DEFINITION Sequence 3953 from Patent WO03025177.
ACCESSION AX738363
VERSION AX738363.1 GI:30517651
KEYWORDS
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE
AUTHORS Telerman,A., Amson,R. and Tuijnder,M.
TITLE Sequences involved in phenomena of tumour suppression, tumour
reversion, apoptosis and/or resistance to viruses and the use
thereof as medicaments
JOURNAL Patent: WO 03025177-A 3953 27-MAR-2003;
Molecular Engines Laboratories (FR)
FEATURES
source Location/Qualifiers
1..17
/organism="Homo sapiens"
/mol_type="unassigned DNA"
/db_xref="taxon:9606"

Query Match          9.8%; Score 12.8; DB 1; Length 17;
Best Local Similarity 87.5%; Pred. No. 37;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1347 AGGGGAAGAAAAATAT 1362
||||| ||||| |||||
Db 17 AGGGGAAGAAATAGAT 2

RESULT 45
AX739766/c
LOCUS AX739766 17 bp DNA linear PAT 08-MAY-2003
DEFINITION Sequence 5356 from Patent WO03025177.
ACCESSION AX739766
VERSION AX739766.1 GI:30519063
KEYWORDS
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE
AUTHORS Telerman,A., Amson,R. and Tuijnder,M.
TITLE Sequences involved in phenomena of tumour suppression, tumour
reversion, apoptosis and/or resistance to viruses and the use
thereof as medicaments
JOURNAL Patent: WO 03025177-A 5356 27-MAR-2003;
Molecular Engines Laboratories (FR)
FEATURES
source Location/Qualifiers
1..17
/organism="Homo sapiens"
/mol_type="unassigned DNA"
/db_xref="taxon:9606"

Query Match          9.8%; Score 12.8; DB 1; Length 17;
Best Local Similarity 87.5%; Pred. No. 37;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1357 AAATATTCACGCATC 1372
||||| ||||| |||||
Db 16 AAATATTCCAAGGATC 1

RESULT 46
AX759521
LOCUS AX759521 17 bp DNA linear PAT 25-JUN-2003
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DEFINITION Sequence 2842 from Patent WO03040369.
ACCESSION AX759521
VERSION AX759521.1 GI:32254137
KEYWORDS
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE 1
AUTHORS Telerman,A., Amson,R. and Tuijnder,M.
TITLE Sequences involved in tumoral suppression, tumoral reversion, apoptosis and/or viral resistance phenomena and their use as medicines
JOURNAL Patent: WO 03040369-A 2842 15-MAY-2003;
Molecular Engines Laboratories (FR)
FEATURES Location/Qualifiers
source
1. .17
/organism="Homo sapiens"
/mol_type="unassigned DNA"
/db_xref="taxon:9606"
Query Match 9.8%; Score 12.8; DB 1; Length 17;
Best Local Similarity 87.5%; Pred. No. 37;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
QY 1459 GATCAAGCAATAGGA 1474
|||||
Db 1 GATCATGCAGATAGGA 16
RESULT 47
AX759630/c
LOCUS AX759630 17 bp DNA linear PAT 25-JUN-2003
DEFINITION Sequence 2951 from Patent WO03040369.
ACCESSION AX759630
VERSION AX759630.1 GI:32254246
KEYWORDS
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE 1
AUTHORS Telerman,A., Amson,R. and Tuijnder,M.
TITLE Sequences involved in tumoral suppression, tumoral reversion, apoptosis and/or viral resistance phenomena and their use as medicines
JOURNAL Patent: WO 03040369-A 2951 15-MAY-2003;
Molecular Engines Laboratories (FR)
FEATURES Location/Qualifiers
source
1. .17
/organism="Homo sapiens"
/mol_type="unassigned DNA"
/db_xref="taxon:9606"
Query Match 9.8%; Score 12.8; DB 1; Length 17;
Best Local Similarity 87.5%; Pred. No. 37;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
QY 1447 GGAAGATGGGTGATC 1462
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Db 16 GGAAATGGGTAGATC 1
RESULT 48
AX759673/c
LOCUS AX759673 17 bp DNA linear PAT 25-JUN-2003
DEFINITION Sequence 2994 from Patent WO03040369.
ACCESSION AX759673
VERSION AX759673.1 GI:32254289
KEYWORDS
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;

Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE 1
AUTHORS Telerman,A., Amson,R. and Tuijnder,M.
TITLE Sequences involved in tumoral suppression, tumoral reversion, apoptosis and/or viral resistance phenomena and their use as medicines
JOURNAL Patent: WO 03040369-A 2994 15-MAY-2003;
Molecular Engines Laboratories (FR)
FEATURES Location/Qualifiers
source
1. .17
/organism="Homo sapiens"
/mol_type="unassigned DNA"
/db_xref="taxon:9606"
Query Match 9.8%; Score 12.8; DB 1; Length 17;
Best Local Similarity 87.5%; Pred. No. 37;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
QY 1402 TAAATTTGTTAATGAT 1417
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Db 17 TAAATTTGTTAATGAT 2
RESULT 49
AX746014
LOCUS AX746014 18 bp DNA linear PAT 14-MAY-2003
DEFINITION Sequence 2 from Patent WO03031613.
ACCESSION AX746014
VERSION AX746014.1 GI:30724664
KEYWORDS
SOURCE synthetic construct
ORGANISM synthetic construct
artificial sequences.
REFERENCE 1
AUTHORS van Herpen,M.M., Hulzink,J.M. and Croes,A.F.
TITLE Regulation of translation of heterologously expressed genes
JOURNAL Patent: WO 03031613-A 2 17-APR-2003;
KATHOLIEKE UNIVERSITEIT NIJMEGEN (NL)
FEATURES Location/Qualifiers
source
1. .18
/organism="synthetic construct"
/mol_type="genomic DNA"
/db_xref="taxon:32630"
/note="Primer"
Query Match 9.8%; Score 12.8; DB 1; Length 18;
Best Local Similarity 87.5%; Pred. No. 39;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
QY 1439 ATATACATGGAAGATG 1454
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Db 1 ATATCCATGGAAGACG 16
RESULT 50
A35585/c
LOCUS A35585 15 bp DNA linear PAT 02-DEC-1996
DEFINITION Synthetic human IFN-alpha 2 gene oligo.
ACCESSION A35585
VERSION A35585.1 GI:1926967
KEYWORDS
SOURCE synthetic construct
ORGANISM synthetic construct
artificial sequences.
REFERENCE 1 (bases 1 to 15)
AUTHORS Camble,R. and Edge,M.D.
TITLE Analogous interferon polypeptides, process for their preparation and pharmaceutical compositions containing them
JOURNAL Patent: EP 0194006-A 30 10-SEP-1986;
IMPERIAL CHEMICAL INDUSTRIES PLC
FEATURES Location/Qualifiers
source
1. .15
/organism="synthetic construct"


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/mol_type="unassigned DNA"
/db_xref="taxon:32630"

Query Match          9.5%;  Score 12.4;  DB 1;  Length 15;
Best Local Similarity 92.9%;  Pred. No. 41;
Matches 13;  Conservative 0;  Mismatches 1;  Indels 0;  Gaps 0;

QY  1448 GAAGATGGTGTGAT 1461
Db   15 GAAGATGGTGTGAT 2

RESULT 51
AR180560
LOCUS      AR180560              15 bp      DNA      linear      PAT 20-APR-2002
DEFINITION Sequence 628 from patent US 6333152.
ACCESSION  AR180560
VERSION     AR180560.1  GI:20222593
KEYWORDS   .
SOURCE      Unknown.
ORGANISM    Unknown.
REFERENCE   1  (bases 1 to 15)
AUTHORS     Vogelstein,B., Kinzler,K.W., Zhang,L. and Zhou,W.
TITLE       Gene expression profiles in normal and cancer cells
JOURNAL     Patent: US 6333152-A 628 25-DEC-2001;
FEATURES    Location/Qualifiers
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             /organism="unknown"
             /mol_type="unassigned DNA"

Query Match          9.5%;  Score 12.4;  DB 1;  Length 15;
Best Local Similarity 92.9%;  Pred. No. 41;
Matches 13;  Conservative 0;  Mismatches 1;  Indels 0;  Gaps 0;

QY  1444 CATGGAAGATGGT 1457
Db   1 CATGGAAGATGCT 14

RESULT 52
BD255209
LOCUS      BD255209              17 bp      DNA      linear      PAT 17-JUL-2003
DEFINITION Regulation of repressor genes using nucleic acid molecules.
ACCESSION  BD255209
VERSION     BD255209.1  GI:33064979
KEYWORDS   JP 2002541795-A/3002.
SOURCE      unidentified
ORGANISM    unidentified
REFERENCE   1  (bases 1 to 17)
AUTHORS     Blatt,L., Zwick,M., Pavco,P. and Mcswiggen,J.
TITLE       Regulation of repressor genes using nucleic acid molecules
JOURNAL     Patent: JP 2002541795-A 3002 10-DEC-2002;
RIBOZYME   PHARMACEUTICALS INC
COMMENT     OS Eukaryote
            PN JP 2002541795-A/3002
            PD 10-DEC-2002
            PF 11-APR-2000 JP 2000611654
            PR 12-APR-1999 US 60/129390
            PI LAWRENCE BLATT,MICHAEL ZWICK,PAMELA PAVCO,JAMES MCSWIGGEN PC
            C12N15/09,A61K38/00,A61K48/00,A61P43/00,C12N5/10, PC
            C12P21/02,
            PC

Query Match          9.5%;  Score 12.4;  DB 1;  Length 15;
Best Local Similarity 92.9%;  Pred. No. 41;
Matches 13;  Conservative 0;  Mismatches 1;  Indels 0;  Gaps 0;

QY  1444 CATGGAAGATGGT 1457
Db   1 CATGGAAGATGCT 14

RESULT 52
BD255209
LOCUS      BD255209              17 bp      DNA      linear      PAT 17-JUL-2003
DEFINITION Regulation of repressor genes using nucleic acid molecules.
ACCESSION  BD255209
VERSION     BD255209.1  GI:33064979
KEYWORDS   JP 2002541795-A/3002.
SOURCE      unidentified
ORGANISM    unidentified
REFERENCE   1  (bases 1 to 17)
AUTHORS     Blatt,L., Zwick,M., Pavco,P. and Mcswiggen,J.
TITLE       Regulation of repressor genes using nucleic acid molecules
JOURNAL     Patent: JP 2002541795-A 3002 10-DEC-2002;
RIBOZYME   PHARMACEUTICALS INC
COMMENT     OS Eukaryote
            PN JP 2002541795-A/3002
            PD 10-DEC-2002
            PF 11-APR-2000 JP 2000611654
            PR 12-APR-1999 US 60/129390
            PI LAWRENCE BLATT,MICHAEL ZWICK,PAMELA PAVCO,JAMES MCSWIGGEN PC
            C12N15/09,A61K38/00,A61K48/00,A61P43/00,C12N5/10, PC
            C12P21/02,
            PC

Query Match          9.5%;  Score 12.4;  DB 1;  Length 15;
Best Local Similarity 92.9%;  Pred. No. 41;
Matches 13;  Conservative 0;  Mismatches 1;  Indels 0;  Gaps 0;

QY  1444 CATGGAAGATGGT 1461
Db   15 GAAGATGGTGTGAT 2

RESULT 51
AR180560
LOCUS      AR180560              15 bp      DNA      linear      PAT 20-APR-2002
DEFINITION Sequence 628 from patent US 6333152.
ACCESSION  AR180560
VERSION     AR180560.1  GI:20222593
KEYWORDS   .
SOURCE      Unknown.
ORGANISM    Unknown.
REFERENCE   1  (bases 1 to 15)
AUTHORS     Vogelstein,B., Kinzler,K.W., Zhang,L. and Zhou,W.
TITLE       Gene expression profiles in normal and cancer cells
JOURNAL     Patent: US 6333152-A 628 25-DEC-2001;
FEATURES    Location/Qualifiers
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Query Match          9.5%;  Score 12.4;  DB 1;  Length 15;
Best Local Similarity 92.9%;  Pred. No. 41;
Matches 13;  Conservative 0;  Mismatches 1;  Indels 0;  Gaps 0;

QY  1448 GAAGATGGTGTGAT 1461
Db   15 GAAGATGGTGTGAT 2

RESULT 51
AR180560
LOCUS      AR180560              15 bp      DNA      linear      PAT 20-APR-2002
DEFINITION Sequence 628 from patent US 6333152.
ACCESSION  AR180560
VERSION     AR180560.1  GI:20222593
KEYWORDS   .
SOURCE      Unknown.
ORGANISM    Unknown.
REFERENCE   1  (bases 1 to 15)
AUTHORS     Vogelstein,B., Kinzler,K.W., Zhang,L. and Zhou,W.
TITLE       Gene expression profiles in normal and cancer cells
JOURNAL     Patent: US 6333152-A 628 25-DEC-2001;
FEATURES    Location/Qualifiers
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Query Match          9.5%;  Score 12.4;  DB 1;  Length 15;
Best Local Similarity 92.9%;  Pred. No. 41;
Matches 13;  Conservative 0;  Mismatches 1;  Indels 0;  Gaps 0;

QY  1444 CATGGAAGATGGT 1457
Db   1 CATGGAAGATGCT 14

RESULT 52
BD255209
LOCUS      BD255209              17 bp      DNA      linear      PAT 17-JUL-2003
DEFINITION Regulation of repressor genes using nucleic acid molecules.
ACCESSION  BD255209
VERSION     BD255209.1  GI:33064979
KEYWORDS   JP 2002541795-A/3002.
SOURCE      unidentified
ORGANISM    unidentified
REFERENCE   1  (bases 1 to 17)
AUTHORS     Blatt,L., Zwick,M., Pavco,P. and Mcswiggen,J.
TITLE       Regulation of repressor genes using nucleic acid molecules
JOURNAL     Patent: JP 2002541795-A 3002 10-DEC-2002;
RIBOZYME   PHARMACEUTICALS INC
COMMENT     OS Eukaryote
            PN JP 2002541795-A/3002
            PD 10-DEC-2002
            PF 11-APR-2000 JP 2000611654
            PR 12-APR-1999 US 60/129390
            PI LAWRENCE BLATT,MICHAEL ZWICK,PAMELA PAVCO,JAMES MCSWIGGEN PC
            C12N15/09,A61K38/00,A61K48/00,A61P43/00,C12N5/10, PC
            C12P21/02,
            PC

Query Match          9.5%;  Score 12.4;  DB 1;  Length 15;
Best Local Similarity 92.9%;  Pred. No. 41;
Matches 13;  Conservative 0;  Mismatches 1;  Indels 0;  Gaps 0;

QY  1444 CATGGAAGATGGT 1457
Db   1 CATGGAAGATGCT 14

RESULT 52
BD255209
LOCUS      BD255209              17 bp      DNA      linear      PAT 17-JUL-2003
DEFINITION Regulation of repressor genes using nucleic acid molecules.
ACCESSION  BD255209
VERSION     BD255209.1  GI:33064979
KEYWORDS   JP 2002541795-A/3002.
SOURCE      unidentified
ORGANISM    unidentified
REFERENCE   1  (bases 1 to 17)
AUTHORS     Blatt,L., Zwick,M., Pavco,P. and Mcswiggen,J.
TITLE       Regulation of repressor genes using nucleic acid molecules
JOURNAL     Patent: JP 2002541795-A 3002 10-DEC-2002;
RIBOZYME   PHARMACEUTICALS INC
COMMENT     OS Eukaryote
            PN JP 2002541795-A/3002
            PD 10-DEC-2002
            PF 11-APR-2000 JP 2000611654
            PR 12-APR-1999 US 60/129390
            PI LAWRENCE BLATT,MICHAEL ZWICK,PAMELA PAVCO,JAMES MCSWIGGEN PC
            C12N15/09,A61K38/00,A61K48/00,A61P43/00,C12N5/10, PC
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Best Local Similarity 92.9%;  Pred. No. 46;
Matches 13;  Conservative 0;  Mismatches 1;  Indels 0;  Gaps 0;

QY  1382 CGTCTTCTGATCAA 1395
Db   4 CTTCCTTCTGATCAA 17

RESULT 53
BD255210
LOCUS      BD255210              17 bp      DNA      linear      PAT 17-JUL-2003
DEFINITION Regulation of repressor genes using nucleic acid molecules.
ACCESSION  BD255210
VERSION     BD255210.1  GI:33064980
KEYWORDS   JP 2002541795-A/3003.
SOURCE      unidentified
ORGANISM    unidentified
REFERENCE   1  (bases 1 to 17)
AUTHORS     Blatt,L., Zwick,M., Pavco,P. and Mcswiggen,J.
TITLE       Regulation of repressor genes using nucleic acid molecules
JOURNAL     Patent: JP 2002541795-A 3003 10-DEC-2002;
RIBOZYME   PHARMACEUTICALS INC
COMMENT     OS Eukaryote
            PN JP 2002541795-A/3003
            PD 10-DEC-2002
            PF 11-APR-2000 JP 2000611654
            PR 12-APR-1999 US 60/129390
            PI LAWRENCE BLATT,MICHAEL ZWICK,PAMELA PAVCO,JAMES MCSWIGGEN PC
            C12N15/09,A61K38/00,A61K48/00,A61P43/00,C12N5/10, PC
            C12P21/02,
            PC

Query Match          9.5%;  Score 12.4;  DB 1;  Length 17;
Best Local Similarity 92.9%;  Pred. No. 46;
Matches 13;  Conservative 0;  Mismatches 1;  Indels 0;  Gaps 0;

QY  1382 CGTCTTCTGATCAA 1395
Db   3 CTTCCTTCTGATCAA 16

RESULT 54
BD256490
LOCUS      BD256490              17 bp      DNA      linear      PAT 17-JUL-2003
DEFINITION Regulation of repressor genes using nucleic acid molecules.
ACCESSION  BD256490
VERSION     BD256490.1  GI:33066260
KEYWORDS   JP 2002541795-A/4283.
SOURCE      unidentified
ORGANISM    unidentified
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REFERENCE 1 (bases 1 to 17)
AUTHORS Blatt,L., Zwick,M., Pavco,P. and Mcswiggen,J.
TITLE Regulation of repressor genes using nucleic acid molecules
JOURNAL Patent: JP 2002541795-A 4283 10-DEC-2002;
COMMENT RIBOZYME PHARMACEUTICALS INC
OS Eukaryote
PN JP 2002541795-A/4283
PD 10-DEC-2002
PF 11-APR-2000 JP 2000611654
PR 12-APR-1999 US 60/129390
PI LAWRENCE BLATT,MICHAEL ZWICK,PAMELA PAVCO,JAMES MCSWIGGEN PC
C12N15/09,A61K38/00,A61K48/00,A61P43/00,A61P43/00,C12N5/10, PC
C12P21/02,
PC
C12P21/02,C12P21/02//A61K31/711,(C12N5/10,C12R1:91),(C12P21/02, PC
C12R1:91),
PC (C12P21/02,C12R1:91),(C12P21/02,C12R1:91),C12N15/00,C12N5/00,
PC A61K37/02,
PC (C12N5/00,C12R1:91)
CC Regulation of repressor genes using nucleic acid molecules FH
Key Location/Qualifiers
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Query Match 9.5%; Score 12.4; DB 1; Length 17;
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Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1353 AGAAAAATATTCCA 1366
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Db 1 AGAAAAATCTTCCA 14
RESULT 55
AX499826/c 17 bp DNA linear PAT 27-SEP-2002
LOCUS AX499826
DEFINITION Sequence 1133 from Patent EP1229046.
ACCESSION AX499826
VERSION AX499826.1 GI:23382119
KEYWORDS Homo sapiens (human)
SOURCE Homo sapiens
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE 1
AUTHORS Zhan,J.
TITLE Human testis expressed patched like protein
JOURNAL Patent: EP 1229046-A 1133 07-AUG-2002;
Aeomica, Inc. (US)
FEATURES
source Location/Qualifiers
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Best Local Similarity 92.9%; Pred. No. 46;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1457 TTGATCAAGCAAAT 1470
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Db 15 TTGATCGAGCAAAT 2
RESULT 57
AX499827/c 17 bp DNA linear PAT 27-SEP-2002
LOCUS AX499827
DEFINITION Sequence 1134 from Patent EP1229046.
ACCESSION AX499827
VERSION AX499827.1 GI:23382120
KEYWORDS Homo sapiens (human)
SOURCE Homo sapiens
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE 1
AUTHORS Zhan,J.
TITLE Human testis expressed patched like protein
JOURNAL Patent: EP 1229046-A 1134 07-AUG-2002;
Aeomica, Inc. (US)
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Db 14 TTGATCGAGCAAAT 1
REFERENCE 1
AUTHORS Zhan,J.
TITLE Human testis expressed patched like protein
JOURNAL Patent: EP 1229046-A 1134 07-AUG-2002;
Aeomica, Inc. (US)
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Best Local Similarity 92.9%; Pred. No. 46;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1457 TTGATCAAGCAAAT 1470
|||||
Db 14 TTGATCGAGCAAAT 1
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REFERENCE 1 (bases 1 to 17)
AUTHORS Blatt,L., Zwick,M., Pavco,P. and Mcswiggen,J.
TITLE Regulation of repressor genes using nucleic acid molecules
JOURNAL Patent: JP 2002541795-A 4283 10-DEC-2002;
COMMENT RIBOZYME PHARMACEUTICALS INC
OS Eukaryote
PN JP 2002541795-A/4283
PD 10-DEC-2002
PF 11-APR-2000 JP 2000611654
PR 12-APR-1999 US 60/129390
PI LAWRENCE BLATT,MICHAEL ZWICK,PAMELA PAVCO,JAMES MCSWIGGEN PC
C12N15/09,A61K38/00,A61K48/00,A61P43/00,A61P43/00,C12N5/10, PC
C12P21/02,
PC
C12P21/02,C12P21/02//A61K31/711,(C12N5/10,C12R1:91),(C12P21/02, PC
C12R1:91),
PC (C12P21/02,C12R1:91),(C12P21/02,C12R1:91),C12N15/00,C12N5/00,
PC A61K37/02,
PC (C12N5/00,C12R1:91)
CC Regulation of repressor genes using nucleic acid molecules FH
Key Location/Qualifiers
FT source 1..17
/organism='Eukaryote'.
FEATURES
source Location/Qualifiers
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/mol_type="genomic DNA"
/db_xref="taxon:32644"
Query Match 9.5%; Score 12.4; DB 1; Length 17;
Best Local Similarity 92.9%; Pred. No. 46;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1353 AGAAAAATATTCCA 1366
|||||
Db 1 AGAAAAATCTTCCA 14
RESULT 55
BD256938 17 bp DNA linear PAT 17-JUL-2003
LOCUS BD256938
DEFINITION Regulation of repressor genes using nucleic acid molecules.
ACCESSION BD256938
VERSION BD256938.1 GI:33066708
KEYWORDS JP 2002541795-A/4731.
SOURCE unidentified
ORGANISM unidentified
unclassified.
1 (bases 1 to 17)
AUTHORS Blatt,L., Zwick,M., Pavco,P. and Mcswiggen,J.
TITLE Regulation of repressor genes using nucleic acid molecules
JOURNAL Patent: JP 2002541795-A 4731 10-DEC-2002;
RIBOZYME PHARMACEUTICALS INC
OS Eukaryote
PN JP 2002541795-A/4731
PD 10-DEC-2002
PF 11-APR-2000 JP 2000611654
PR 12-APR-1999 US 60/129390
PI LAWRENCE BLATT,MICHAEL ZWICK,PAMELA PAVCO,JAMES MCSWIGGEN PC
C12N15/09,A61K38/00,A61K48/00,A61P43/00,A61P43/00,C12N5/10, PC
C12P21/02,
PC
C12P21/02,C12P21/02//A61K31/711,(C12N5/10,C12R1:91),(C12P21/02, PC
C12R1:91),
PC (C12P21/02,C12R1:91),(C12P21/02,C12R1:91),C12N15/00,C12N5/00,
PC A61K37/02,
PC (C12N5/00,C12R1:91)
CC Regulation of repressor genes using nucleic acid molecules FH
Key Location/Qualifiers
FT source 1..17
/organism='Eukaryote'.
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source Location/Qualifiers
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/db_xref="taxon:32644"
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RESULT 58
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LOCUS AX736520 17 bp DNA linear PAT 08-MAY-2003
DEFINITION Sequence 2110 from Patent WO03025177.
ACCESSION AX736520
VERSION AX736520.1 GI:30515808
KEYWORDS
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
REFERENCE 1
AUTHORS Telerman,A., Amson,R. and Tuijnder,M.
TITLE Sequences involved in phenomena of tumour suppression, tumour reversion, apoptosis and/or resistance to viruses and the use thereof as medicaments
JOURNAL Patent: WO 03025177-A 2110 27-MAR-2003;
Molecular Engines Laboratories (FR)
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source Location/Qualifiers
1. .17
/organism="Homo sapiens"
/mol_type="unassigned DNA"
/db_xref="taxon:9606"
Query Match 9.5%; Score 12.4; DB 1; Length 17;
Best Local Similarity 92.9%; Pred. No. 46;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1379 GATCGTCTTCTGAT 1392
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Db 1 GATCGTTTCTGAT 14
RESULT 59
AX758558/c
LOCUS AX758558 17 bp DNA linear PAT 25-JUN-2003
DEFINITION Sequence 1879 from Patent WO03040369.
ACCESSION AX758558
VERSION AX758558.1 GI:32253174
KEYWORDS
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
REFERENCE 1
AUTHORS Telerman,A., Amson,R. and Tuijnder,M.
TITLE Sequences involved in tumoral suppression, tumoral reversion, apoptosis and/or viral resistance phenomena and their use as medicines
JOURNAL Patent: WO 03040369-A 1879 15-MAY-2003;
Molecular Engines Laboratories (FR)
FEATURES
source Location/Qualifiers
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/organism="Homo sapiens"
/mol_type="unassigned DNA"
/db_xref="taxon:9606"
Query Match 9.5%; Score 12.4; DB 1; Length 17;
Best Local Similarity 92.9%; Pred. No. 46;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1449 AAGATGGGTGATC 1462
||||| |||||
Db 14 AAGATGGGTGATC 1
RESULT 60
AX759393
LOCUS AX759393 17 bp DNA linear PAT 25-JUN-2003
DEFINITION Sequence 2714 from Patent WO03040369.
ACCESSION AX759393

VERSION AX759393.1 GI:32254009
KEYWORDS
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
REFERENCE 1
AUTHORS Telerman,A., Amson,R. and Tuijnder,M.
TITLE Sequences involved in tumoral suppression, tumoral reversion, apoptosis and/or viral resistance phenomena and their use as medicines
JOURNAL Patent: WO 03040369-A 2714 15-MAY-2003;
Molecular Engines Laboratories (FR)
FEATURES
source Location/Qualifiers
1. .17
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/mol_type="unassigned DNA"
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Query Match 9.5%; Score 12.4; DB 1; Length 17;
Best Local Similarity 92.9%; Pred. No. 46;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1379 GATCGTCTTCTGAT 1392
||||| |||||
Db 1 GATCCTCTTCTGAT 14
RESULT 61
A62967
LOCUS A62967 17 bp DNA linear PAT 12-MAR-1998
DEFINITION Sequence 208 from Patent WO9719110.
ACCESSION A62967
VERSION A62967.1 GI:3716847
KEYWORDS
SOURCE unidentified
ORGANISM unidentified
REFERENCE 1
AUTHORS Futreal,P.A., Wooster,R.F., Ashworth,A. and Stratton,M.R.
TITLE MATERIALS AND METHODS RELATING TO THE IDENTIFICATION AND SEQUENCING OF THE BRCA2 CANCER SUSCEPTIBILITY GENE AND USES THEREOF
JOURNAL Patent: WO 9719110-A 208 29-MAY-1997;
CANCER RES CAMPAIGN TECH (GB)
COMMENT Other publication AU 7635096 19970611
Other publication GB 2307477 19970528.
FEATURES
source Location/Qualifiers
1. .17
/organism="unidentified"
/mol_type="unassigned DNA"
/db_xref="taxon:32644"
Query Match 9.4%; Score 12.2; DB 1; Length 17;
Best Local Similarity 64.7%; Pred. No. 51;
Matches 11; Conservative 3; Mismatches 3; Indels 0; Gaps 0;
QY 1395 AAGGAGGTAAATTTGTT 1411
||:| ||:| ||:| ||:|
Db 1 AARGCNGTNAARTTRTT 17
RESULT 62
AR046844
LOCUS AR046844 17 bp DNA linear PAT 29-SEP-1999
DEFINITION Sequence 1637 from patent US 5817796.
ACCESSION AR046844
VERSION AR046844.1 GI:5968309
KEYWORDS
SOURCE Unknown.
ORGANISM Unknown.
REFERENCE 1
AUTHORS Stinchcomb,D.T., Draper,K., McSwiggen,J. and Jarvis,T.

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TITLE      C-myb ribozymes having 2'-5'-linked adenylyate residues
JOURNAL    Patent: US 581796-A 1637 06-OCT-1998;
FEATURES   Location/Qualifiers
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            /organism="unknown"
            /mol type="unassigned DNA"
source

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Query Match	9.4%	Score 12.2;	DB 1;	Length 17;
Best Local Similarity	82.4%;	Pred. No. 51;		
Matches 14;	Conservative	0; Mismatches	3; Indels	0; Gaps 0;
QY	1380	ATCGTCTTCTGATCAAA	1396	
Dd	1	AAC TTCTTCTGCTCAA	17	

RESULT 63	
BD258284	
LOCUS	BD258284
DEFINITION	Regulation of repressor genes using nucleic acid molecules.
ACCESSION	BD258284
VERSION	BD258284.1 GI:33068054
KEYWORDS	JP 2002541795-A/6077.
SOURCE	unidentified
ORGANISM	unclassified.
REFERENCE	1 (bases 1 to 17)
AUTHORS	Blatt, L., Zwick, M., Pavco, P. and Mcswiggen, J.
TITLE	Regulation of repressor genes using nucleic acid molecules
JOURNAL	Patent: JP 2002541795-A 6077 10-DEC-2002; RIBOZYME PHARMACEUTICALS INC

COMMENT	OS	Eukaryote
	PN	JP 2002541795-A/6077
	PD	10-DEC-2002
	PF	11-APR-2000 JP 2000611654
	PR	12-APR-1999 US 60/129390
	PI	LAWRENCE BLATT, MICHAEL ZWICK, PAMELA PAVCO, JAMES MCSWIGGEN PC
		C12N15/09, A61K38/00, A61K48/00, A61P43/00, A61P43/00, C12N5/10, PC
		C12P21/02,
	PC	
		C12P21/02, C12P21/02//A61K31/711, (C12N5/10, C12R1:91), (C12P21/02, PC
		C12R1:91),
	PC	(C12P21/02, C12R1:91), (C12P21/02, C12R1:91), C12N15/00, C12N5/00,
	PC	A61K37/00,
	PC	(C12N5/00, C12R1:91)
	CC	Regulation of repressor genes using nucleic acid molecules FH
	Key	Location/Qualifiers
	FT	1. .17
	FT	/organism='Eukaryote'.

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FEATURES
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              /mol_type="genomic DNA"
              /db_xref="taxon:32644"

Query Match      9.4%;      Score 12.2;      DB 1;      Length 17;
Best Local Similarity 82.4%;      Pred. No. 51;
Matches 14;      Conservative 0;      Mismatches 3;      Indels 0;      Gaps 0;

QY      1423      GTCGTTCTATGCAGACA      1439
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Db      1      GTCCTTCCTATGCAGAAA      17

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unclassified.
1 (bases 1 to 17)
Blatt,L., Zwick,M., Pavco,P. and Mcswiggen,J.
Regulation of repressor genes using nucleic acid molecules
Patent: Jp 2002541795-A 6320 10-DEC-2002;
RIBOZYME PHARMACEUTICALS INC
OS Eukaryote
PN JP 2002541795-A/6320
PD 10-DEC-2002
PF 11-APR-2000 JP 2000611654
PR 12-APR-1999 US 60/129390
PI LAWRENCE BLATT,MICHAEL,ZWICK,PAMELA PAVCO,JAMES MCSWIGGEN PC
C12N15/09,A61K38/00,A61K48/00,A61P43/00,A61P43/00,C12N5/10, PC
C12P21/02,
PC
C12P21/02,C12P21/02//A61K31/711,(C12N5/10,C12R1:91),(C12P21/02, PC
C12R1:91),
PC (C12P21/02,C12R1:91),(C12P21/02,C12R1:91),C12N15/00,C12N5/00,
PC A61K37/02,
PC (C12N5/00,C12R1:91)
CC Regulation of repressor genes using nucleic acid molecules FH
Key Location/Qualifiers
FT source 1..17
/organism='Eukaryote'.
FT Location/Qualifiers
1..17
/organism="unidentified"
/mol_type="genomic DNA"
/db xref="taxon:32644"

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Query Match	9.4%;	Score 12.2;	DB 1;	Length 17;
Best Local Similarity	82.4%;	Pred. No. 51;		
Matches 14;	Conservative 0;	Mismatches 3;	Indels 0;	Gaps 0;
QY	1400	GGTAAAAATTGTTAATGA	1416	
Db	1	GGTAAAAATTCCTAAATAA	17	

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Query Match          9.4%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 51;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY      1380 ATCGTCTTCTGATCAAA 1396
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Db       1  AACTTCTTCTGCTCAAA 17

RESULT 66
AR190069
LOCUS      AR190069          17 bp      DNA
DEFINITION Sequence 5557 from patent US 6346398.
ACCESSION  AR190069
VERSION     AR190069.1 GI:20236034
PAT 20-APR-2002

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KEYWORDS
SOURCE Unknown.
ORGANISM Unknown.
REFERENCE 1 (bases 1 to 17)
AUTHORS Pavco,P., McSwiggen,J., Stinchcomb,D. and Escobedo,J.
TITLE Method and reagent for the treatment of diseases or conditions related to levels of vascular endothelial growth factor receptor
JOURNAL Patent: US 6346398-A 5557 12-FEB-2002;
FEATURES Location/Qualifiers
source 1. .17
/organism="unknown"
/mol_type="unassigned DNA"
Query Match 9.4%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 51;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
QY 1433 GCAGACATATACATGGA 1449
Db 1 GCAGACATTGACATGCA 17
RESULT 67
AR190366/c
LOCUS AR190366 17 bp DNA linear PAT 20-APR-2002
DEFINITION Sequence 5854 from patent US 6346398.
ACCESSION AR190366
VERSION AR190366.1 GI:20236331
KEYWORDS
SOURCE Unknown.
ORGANISM Unknown.
REFERENCE 1 (bases 1 to 17)
AUTHORS Pavco,P., McSwiggen,J., Stinchcomb,D. and Escobedo,J.
TITLE Method and reagent for the treatment of diseases or conditions related to levels of vascular endothelial growth factor receptor
JOURNAL Patent: US 6346398-A 5854 12-FEB-2002;
FEATURES Location/Qualifiers
source 1. .17
/organism="unknown"
/mol_type="unassigned DNA"
Query Match 9.4%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 51;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
QY 1346 CAGGGGAAGAAAAATAT 1362
Db 17 CATTGGAAGAACATAT 1
RESULT 68
AR325045
LOCUS AR325045 17 bp RNA linear PAT 17-AUG-2003
DEFINITION Sequence 2447 from patent US 6566127.
ACCESSION AR325045
VERSION AR325045.1 GI:33710853
KEYWORDS
SOURCE Unknown.
ORGANISM Unknown.
REFERENCE 1 (bases 1 to 17)
AUTHORS Pavco,P., McSwiggen,J.A., Stinchcomb,D.T. and Escobedo,J.
TITLE Method and reagent for the treatment of diseases or conditions related to levels of vascular endothelial growth factor receptor
JOURNAL Patent: US 6566127-A 2447 20-MAY-2003;
FEATURES Location/Qualifiers
source 1. .17
/organism="unknown"
/mol_type="unassigned RNA"
Query Match 9.4%; Score 12.2; DB 1; Length 17;

Best Local Similarity 82.4%; Pred. No. 51;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
QY 1433 GCAGACATATACATGGA 1449
Db 1 GCAGACATTGACATGCA 17
RESULT 69
AR325311/c
LOCUS AR325311 17 bp RNA linear PAT 17-AUG-2003
DEFINITION Sequence 2713 from patent US 6566127.
ACCESSION AR325311
VERSION AR325311.1 GI:33711119
KEYWORDS
SOURCE Unknown.
ORGANISM Unknown.
REFERENCE 1 (bases 1 to 17)
AUTHORS Pavco,P., McSwiggen,J.A., Stinchcomb,D.T. and Escobedo,J.
TITLE Method and reagent for the treatment of diseases or conditions related to levels of vascular endothelial growth factor receptor
JOURNAL Patent: US 6566127-A 2713 20-MAY-2003;
FEATURES Location/Qualifiers
source 1. .17
/organism="unknown"
/mol_type="unassigned RNA"
Query Match 9.4%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 51;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
QY 1346 CAGGGGAAGAAAAATAT 1362
Db 17 CATTGGAAGAACATAT 1
RESULT 70
AX215870/c
LOCUS AX215870 17 bp RNA linear PAT 07-SEP-2001
DEFINITION Sequence 1312 from Patent WO0159103.
ACCESSION AX215870
VERSION AX215870.1 GI:15525913
KEYWORDS
SOURCE synthetic construct
ORGANISM synthetic construct
artificial sequences.
REFERENCE 1
AUTHORS Blatt,L., Mcswiggen,J. and Chowrira,B.M.
TITLE Method and reagent for the modulation and diagnosis of cd20 and nogo gene expression
JOURNAL Patent: WO 0159103-A 1312 16-AUG-2001;
RIBOZYME PHARMACEUTICALS, INC. (US) ; Blatt, Lawrence (US) ; McSwiggen, James (US) ; Chowrira, Bharat M. (US)
FEATURES Location/Qualifiers
source 1. .17
/organism="synthetic construct"
/mol_type="unassigned RNA"
/db_xref="taxon:32630"
/note="Nucleic Acid"
Query Match 9.4%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 51;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
QY 1388 CTGATCAAGGAGGTAA 1404
Db 17 CTGATCAATGTAGGAA 1
RESULT 71
AX217780/c
LOCUS AX217780 17 bp RNA linear PAT 07-SEP-2001

DEFINITION Sequence 3222 from Patent WO0159103.
ACCESSION AX217780
VERSION AX217780.1 GI:15527841
KEYWORDS
SOURCE synthetic construct
ORGANISM synthetic construct
artificial sequences.

REFERENCE 1
AUTHORS Blatt, L., Mcswiggen, J. and Chowrira, B.M.
TITLE Method and reagent for the modulation and diagnosis of cd20 and nogo gene expression
JOURNAL Patent: WO 0159103-A 3222 16-AUG-2001;
RIBOZYME PHARMACEUTICALS, INC. (US); Blatt, Lawrence (US);
McSwiggen, James (US); Chowrira, Bharat M. (US)
FEATURES Location/Qualifiers
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/organism="synthetic construct"
/mol_type="unassigned RNA"
/db_xref="taxon:32630"
/note="Nucleic Acid"

Query Match 9.4%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 51;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1384 TCTTCTGATCAAAGGAG 1400
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Db 17 TCTTCTGCTGACAGGAG 1

RESULT 72
AX4222844
LOCUS AX4222844 17 bp RNA linear PAT 18-JUN-2002
DEFINITION Sequence 1180 from Patent WO0188124.
ACCESSION AX4222844
VERSION AX4222844.1 GI:21526226
KEYWORDS
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

REFERENCE 1
AUTHORS Jarvis, T., von Carlowitz, I., Mcswiggen, J.A., McLaughlin, F.G. and Randi, A.M.
TITLE Method and reagent for the inhibition of erg
JOURNAL Patent: WO 0188124-A 1180 22-NOV-2001;
RIBOZYME PHARMACEUTICALS, INC. (US); GLAXO GROUP LIMITED (GB)
FEATURES Location/Qualifiers
source 1..17
/organism="Homo sapiens"
/mol_type="unassigned RNA"
/db_xref="taxon:9606"

Query Match 9.4%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 51;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1407 TTGTTAATGATGACCAG 1423
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Db 1 TTGTGAGTGAGGACCAG 17

RESULT 73
AX423466
LOCUS AX423466 17 bp RNA linear PAT 18-JUN-2002
DEFINITION Sequence 1802 from Patent WO0188124.
ACCESSION AX423466
VERSION AX423466.1 GI:21526848
KEYWORDS
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

REFERENCE 1
AUTHORS Jarvis, T., von Carlowitz, I., Mcswiggen, J.A., McLaughlin, F.G. and Randi, A.M.
TITLE Method and reagent for the inhibition of erg
JOURNAL Patent: WO 0188124-A 1802 22-NOV-2001;
RIBOZYME PHARMACEUTICALS, INC. (US); GLAXO GROUP LIMITED (GB)
FEATURES Location/Qualifiers
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/organism="Homo sapiens"
/mol_type="unassigned RNA"
/db_xref="taxon:9606"

Query Match 9.4%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 51;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1409 GTTAATGATGACCAGTC 1425
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Db 1 GTGAGTGAGGACCAGTC 17

RESULT 74
AX423467
LOCUS AX423467 17 bp RNA linear PAT 18-JUN-2002
DEFINITION Sequence 1803 from Patent WO0188124.
ACCESSION AX423467
VERSION AX423467.1 GI:21526849
KEYWORDS
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

REFERENCE 1
AUTHORS Jarvis, T., von Carlowitz, I., Mcswiggen, J.A., McLaughlin, F.G. and Randi, A.M.
TITLE Method and reagent for the inhibition of erg
JOURNAL Patent: WO 0188124-A 1803 22-NOV-2001;
RIBOZYME PHARMACEUTICALS, INC. (US); GLAXO GROUP LIMITED (GB)
FEATURES Location/Qualifiers
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/mol_type="unassigned RNA"
/db_xref="taxon:9606"

Query Match 9.4%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 51;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1410 TTAATGATGACCAGTCG 1426
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Db 1 TGAGTGAGGACCAGTCG 17

RESULT 75
AX671628
LOCUS AX671628 17 bp DNA linear PAT 27-MAR-2003
DEFINITION Sequence 73 from Patent WO03004526.
ACCESSION AX671628
VERSION AX671628.1 GI:29329976
KEYWORDS
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

REFERENCE 1
AUTHORS Telerman, A., Amson, R. and Tuijnder, M.
TITLE Sequences involved in phenomena of tumour suppression, tumour reversion, apoptosis and/or resistance to viruses and their use as medicines
JOURNAL Patent: WO 03004526-A 73 16-JAN-2003;
Molecular Engines Laboratories (FR)
FEATURES Location/Qualifiers
source 1..17

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/organism="Homo sapiens"
/mol_type="unassigned DNA"
/db_xref="taxon:9606"

Query Match      9.4%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 51;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY      1390 GATCAAAGGAGGTAAAA 1406
Db      1 GATCAAAGGAGGTAAAA 17

RESULT 76
AX6722299
LOCUS      AX6722299      17 bp      DNA      linear      PAT 27-MAR-2003
DEFINITION Sequence 744 from Patent WO03004526.
ACCESSION  AX6722299
VERSION     AX6722299.1 GI:29330647
KEYWORDS    .
SOURCE      Homo sapiens (human)
ORGANISM    Homo sapiens
REFERENCE   1
AUTHORS     Telerman,A., Amson,R. and Tuijnder,M.
TITLE       Sequences involved in phenomena of tumour suppression, tumour
            reversion, apoptosis and/or resistance to viruses and their use as
            medicines
JOURNAL     Patent: WO 03004526-A 744 16-JAN-2003;
            Molecular Engines Laboratories (FR)
FEATURES    Location/Qualifiers
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Query Match      9.4%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 51;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY      1379 GATCGTCTTCTGATCAA 1395
Db      1 GATCATCTTCTCCTCAA 17

RESULT 77
AX723639
LOCUS      AX723639      17 bp      DNA      linear      PAT 08-MAY-2003
DEFINITION Sequence 1326 from Patent WO03025176.
ACCESSION  AX723639
VERSION     AX723639.1 GI:30502982
KEYWORDS    .
SOURCE      Mus musculus (house mouse)
ORGANISM    Mus musculus
REFERENCE   1
AUTHORS     Telerman,A., Amson,R. and Tuijnder,M.
TITLE       Sequences involved in phenomena of tumour suppression, tumour
            reversion, apoptosis and/or virus resistance and their use as
            medicines
JOURNAL     Patent: WO 03025176-A 1326 27-MAR-2003;
            Molecular Engines Laboratories (FR)
FEATURES    Location/Qualifiers
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                        /organism="Mus musculus"
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Query Match      9.4%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 51;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY      1390 GATCAAAGGAGGTAAAA 1406
Db      1 GATCAAAGGAGGTAAAA 17

RESULT 78
AX727494/c
LOCUS      AX727494      17 bp      DNA      linear      PAT 08-MAY-2003
DEFINITION Sequence 5181 from Patent WO03025176.
ACCESSION  AX727494
VERSION     AX727494.1 GI:30506837
KEYWORDS    .
SOURCE      Mus musculus (house mouse)
ORGANISM    Mus musculus
REFERENCE   1
AUTHORS     Telerman,A., Amson,R. and Tuijnder,M.
TITLE       Sequences involved in phenomena of tumour suppression, tumour
            reversion, apoptosis and/or virus resistance and their use as
            medicines
JOURNAL     Patent: WO 03025176-A 5181 27-MAR-2003;
            Molecular Engines Laboratories (FR)
FEATURES    Location/Qualifiers
            source          1..17
                        /organism="Mus musculus"
                        /mol_type="unassigned DNA"
                        /db_xref="taxon:10090"

Query Match      9.4%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 51;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY      1405 AATTGTTAATGATGACC 1421
Db      17 AATTATTAAAGATGATC 1

RESULT 79
AX730587
LOCUS      AX730587      17 bp      DNA      linear      PAT 08-MAY-2003
DEFINITION Sequence 2221 from Patent WO03025175.
ACCESSION  AX730587
VERSION     AX730587.1 GI:30509930
KEYWORDS    .
SOURCE      Homo sapiens (human)
ORGANISM    Homo sapiens
REFERENCE   1
AUTHORS     Telerman,A., Amson,R. and Tuijnder,M.
TITLE       Sequences involved in phenomena of tumour suppression, tumour
            reversion, apoptosis and/or virus resistance and their use as
            medicines
JOURNAL     Patent: WO 03025175-A 2221 27-MAR-2003;
            Molecular Engines Laboratories (FR)
FEATURES    Location/Qualifiers
            source          1..17
                        /organism="Homo sapiens"
                        /mol_type="unassigned DNA"
                        /db_xref="taxon:9606"

Query Match      9.4%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 51;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY      1379 GATCGTCTTCTGATCAA 1395
Db      1 GATCCTGTTCTGAGCAA 17

RESULT 80
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AX732099
LOCUS AX732099 17 bp DNA linear PAT 08-MAY-2003
DEFINITION Sequence 3733 from Patent WO03025175.
ACCESSION AX732099
VERSION AX732099.1 GI:30511442
KEYWORDS
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE 1
AUTHORS Telerman,A., Amson,R. and Tuijnder,M.
TITLE Sequences involved in phenomena of tumour suppression, tumour reversion, apoptosis and/or virus resistance and their use as medicines
JOURNAL Patent: WO 03025175-A 3733 27-MAR-2003;
Molecular Engines Laboratories (FR)
FEATURES
source 1. .17
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/mol_type="unassigned DNA"
/db_xref="taxon:9606"
Query Match 9.4%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 51;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
QY 1390 GATCAAGGAGGTAAAA 1406
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Db 1 GATCAAGGAGGAAAGA 17
RESULT 81
AX736761/c
LOCUS AX736761 17 bp DNA linear PAT 08-MAY-2003
DEFINITION Sequence 2351 from Patent WO03025177.
ACCESSION AX736761
VERSION AX736761.1 GI:30516049
KEYWORDS
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE 1
AUTHORS Telerman,A., Amson,R. and Tuijnder,M.
TITLE Sequences involved in phenomena of tumour suppression, tumour reversion, apoptosis and/or resistance to viruses and the use thereof as medicaments
JOURNAL Patent: WO 03025177-A 2351 27-MAR-2003;
Molecular Engines Laboratories (FR)
FEATURES
source 1. .17
/organism="Homo sapiens"
/mol_type="unassigned DNA"
/db_xref="taxon:9606"
Query Match 9.4%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 51;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
QY 1405 AATTGTTAATGATGACC 1421
|||||
Db 17 AATTGTTAAAGATGATC 1
RESULT 82
AX737962
LOCUS AX737962 17 bp DNA linear PAT 08-MAY-2003
DEFINITION Sequence 3552 from Patent WO03025177.
ACCESSION AX737962
VERSION AX737962.1 GI:30517250
KEYWORDS
SOURCE Homo sapiens (human)

ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE 1
AUTHORS Telerman,A., Amson,R. and Tuijnder,M.
TITLE Sequences involved in phenomena of tumour suppression, tumour reversion, apoptosis and/or resistance to viruses and the use thereof as medicaments
JOURNAL Patent: WO 03025177-A 3552 27-MAR-2003;
Molecular Engines Laboratories (FR)
FEATURES
source 1. .17
/organism="Homo sapiens"
/mol_type="unassigned DNA"
/db_xref="taxon:9606"
Query Match 9.4%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 51;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
QY 1390 GATCAAGGAGGTAAAA 1406
|||||
Db 1 GATCAAGGAGGAAAGA 17
RESULT 83
AX738633
LOCUS AX738633 17 bp DNA linear PAT 08-MAY-2003
DEFINITION Sequence 4223 from Patent WO03025177.
ACCESSION AX738633
VERSION AX738633.1 GI:30517923
KEYWORDS
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE 1
AUTHORS Telerman,A., Amson,R. and Tuijnder,M.
TITLE Sequences involved in phenomena of tumour suppression, tumour reversion, apoptosis and/or resistance to viruses and the use thereof as medicaments
JOURNAL Patent: WO 03025177-A 4223 27-MAR-2003;
Molecular Engines Laboratories (FR)
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DEFINITION Sequence 226 from Patent WO03031621.
ACCESSION AX744261
VERSION AX744261.1 GI:30722928
KEYWORDS
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE 1
AUTHORS Zhang,J.
TITLE A human G protein coupled receptor
JOURNAL Patent: WO 03031621-A 226 17-APR-2003;


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  Method and reagent for treating diseases or conditions concerning
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ACCESSION
  BD202969
VERSION
  BD202969.1 GI:33012739
KEYWORDS
  JP 2002509721-A/5995.
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  Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE
  1 (bases 1 to 17)
AUTHORS
  Pavco,P.A., Roberts,E., Jarvis,T., Coeshott,C. and Mcswiggen,J.A.
TITLE
  Method and reagent for treating diseases or conditions concerning
  molecule participating in vasculogenic response
JOURNAL
  Patent: JP 2002509721-A 5995 02-APR-2002;
  RIBOZYME PHARMACEUTICALS INC
COMMENT
  OS Homo sapiens (human)
  PN JP 2002509721-A/5995
  PD 02-APR-2002
  PF 24-MAR-1999 JP 2000541291
  PR 27-MAR-1998 US 60/079678
  PI PAMELA A PAVCO,ELISABETH ROBERTS,THALE JARVIS,CLAIRE COESHOTT,
  PI JAMES A MCSWIGGEN
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  A61P29/00,
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Db 1 GGAAGATTGTTGATAA 17
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DEFINITION
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  Sequence 4 from Patent WO212561.
ACCESSION
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VERSION
  AX377083.1 GI:19573374
KEYWORDS
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SOURCE
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AUTHORS
  Kazemi,A., Messer,C. and Tanguay,D.A.
TITLE
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JOURNAL
  Patent: WO 0212561-A 4 14-FEB-2002;
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  Regulation of repressor genes using nucleic acid molecules.
ACCESSION
  BD253926
VERSION
  BD253926.1 GI:33063696
KEYWORDS
  JP 2002541795-A/1719.
SOURCE
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  ORGANISM
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REFERENCE
  1 (bases 1 to 17)
AUTHORS
  Blatt,L., Zwick,M., Pavco,P. and Mcswiggen,J.
TITLE
  Regulation of repressor genes using nucleic acid molecules
JOURNAL
  Patent: JP 2002541795-A 1719 10-DEC-2002;
  RIBOZYME PHARMACEUTICALS INC
COMMENT
  OS Eukaryote
  PN JP 2002541795-A/1719
  PD 10-DEC-2002
  PF 11-APR-2000 JP 2000611654
  PR 12-APR-1999 US 60/129390
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Db 17 AGGGAAGAAAA 6
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DEFINITION
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ACCESSION
  BD253927
VERSION
  BD253927.1 GI:33063697
KEYWORDS
  JP 2002541795-A/1720.
SOURCE
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  ORGANISM
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  unclassified.
REFERENCE
  1 (bases 1 to 17)
AUTHORS
  Blatt,L., Zwick,M., Pavco,P. and Mcswiggen,J.
TITLE
  Regulation of repressor genes using nucleic acid molecules
JOURNAL
  Patent: JP 2002541795-A 1720 10-DEC-2002;
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COMMENT
RIBOZYME PHARMACEUTICALS INC
OS Eukaryote
PN JP 2002541795-A/1720
PD 10-DEC-2002
PF 11-APR-2000 JP 2000611654
PR 12-APR-1999 US 60/129390
PI LAWRENCE BLATT,MICHAEL ZWICK,PAMELA PAVCO,JAMES MCSWIGGEN PC
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Best Local Similarity 100.0%; Pred.No. 57;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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Db 16 AGGGGAAGAAAA 5
RESULT 93
BD253928/c
LOCUS 17 bp DNA linear PAT 17-JUL-2003
DEFINITION Regulation of repressor genes using nucleic acid molecules.
ACCESSION BD253928
VERSION BD253928.1 GI:33063698
KEYWORDS JP 2002541795-A/1721.
SOURCE unidentified
ORGANISM unidentified
REFERENCE 1 (bases 1 to 17)
AUTHORS Blatt,L., Zwick,M., Pavco,P. and Mcswiggen,J.
TITLE Regulation of repressor genes using nucleic acid molecules
JOURNAL Patent: JP 2002541795-A 1721 10-DEC-2002;
RIBOZYME PHARMACEUTICALS INC
COMMENT
OS Eukaryote
PN JP 2002541795-A/1721
PD 10-DEC-2002
PF 11-APR-2000 JP 2000611654
PR 12-APR-1999 US 60/129390
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Db 16 AGGGGAAGAAAA 5
RESULT 94
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LOCUS 17 bp DNA linear PAT 17-JUL-2003
DEFINITION Regulation of repressor genes using nucleic acid molecules.
ACCESSION BD253929
VERSION BD253929.1 GI:33063699
KEYWORDS JP 2002541795-A/1722.
SOURCE unidentified
ORGANISM unidentified
REFERENCE 1 (bases 1 to 17)
AUTHORS Blatt,L., Zwick,M., Pavco,P. and Mcswiggen,J.
TITLE Regulation of repressor genes using nucleic acid molecules
JOURNAL Patent: JP 2002541795-A 1722 10-DEC-2002;
RIBOZYME PHARMACEUTICALS INC
COMMENT
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PN JP 2002541795-A/1722
PD 10-DEC-2002
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PI LAWRENCE BLATT,MICHAEL ZWICK,PAMELA PAVCO,JAMES MCSWIGGEN PC
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RESULT 95
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LOCUS 17 bp DNA linear PAT 17-JUL-2003
DEFINITION Regulation of repressor genes using nucleic acid molecules.
ACCESSION BD255282
VERSION BD255282.1 GI:33065052
KEYWORDS JP 2002541795-A/3075.
SOURCE unidentified
ORGANISM unidentified
REFERENCE 1 (bases 1 to 17)
AUTHORS Blatt,L., Zwick,M., Pavco,P. and Mcswiggen,J.
TITLE Regulation of repressor genes using nucleic acid molecules
JOURNAL Patent: JP 2002541795-A 3075 10-DEC-2002;
RIBOZYME PHARMACEUTICALS INC
COMMENT
OS Eukaryote
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PN JP 2002541795-A/3075
PD 10-DEC-2002
PF 11-APR-2000 JP 2000611654
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DEFINITION Regulation of repressor genes using nucleic acid molecules.
ACCESSION BD255531
VERSION BD255531.1 GI:33065301
KEYWORDS JP 2002541795-A/3324.
SOURCE unidentified
ORGANISM unclassified.
REFERENCE 1 (bases 1 to 17)
AUTHORS Blatt,L., Zwick,M., Pavco,P. and Mcswiggen,J.
TITLE Regulation of repressor genes using nucleic acid molecules
JOURNAL Patent: JP 2002541795-A 3324 10-DEC-2002;
RIBOZYME PHARMACEUTICALS INC
COMMENT OS Eukaryote
PN JP 2002541795-A/3324
PD 10-DEC-2002
PF 11-APR-2000 JP 2000611654
PR 12-APR-1999 US 60/129390
PI LAWRENCE BLATT,MICHAEL ZWICK,PAMELA PAVCO,JAMES MCSWIGGEN PC
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AUTHORS Blatt,L., Zwick,M., Pavco,P. and Mcswiggen,J.
TITLE Regulation of repressor genes using nucleic acid molecules
JOURNAL Patent: JP 2002541795-A 3324 10-DEC-2002;
RIBOZYME PHARMACEUTICALS INC
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PD 10-DEC-2002
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RESULT 97
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DEFINITION Regulation of repressor genes using nucleic acid molecules.
ACCESSION BD255532
VERSION BD255532.1 GI:33065302
KEYWORDS JP 2002541795-A/3325.
SOURCE unidentified
ORGANISM unclassified.
REFERENCE 1 (bases 1 to 17)
AUTHORS Blatt,L., Zwick,M., Pavco,P. and Mcswiggen,J.
TITLE Regulation of repressor genes using nucleic acid molecules
JOURNAL Patent: JP 2002541795-A 3325 10-DEC-2002;
RIBOZYME PHARMACEUTICALS INC
COMMENT OS Eukaryote
PN JP 2002541795-A/3325
PD 10-DEC-2002
PF 11-APR-2000 JP 2000611654
PR 12-APR-1999 US 60/129390
PI LAWRENCE BLATT,MICHAEL ZWICK,PAMELA PAVCO,JAMES MCSWIGGEN PC
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Db |||||
1 AAAAATATTCCA 12

RESULT 98
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LOCUS 17 bp DNA linear PAT 08-MAY-2003
DEFINITION Sequence 1141 from Patent WO03025176.
ACCESSION AX723454
VERSION AX723454.1 GI:30423955
KEYWORDS Mus musculus (house mouse)
SOURCE Mus musculus
ORGANISM Mus musculus
REFERENCE 1
AUTHORS Telerman,A., Amson,R. and Tuijnder,M.
TITLE Sequences involved in phenomena of tumour suppression, tumour
reversion, apoptosis and/or virus resistance and their use as
medicines
JOURNAL Patent: WO 03025176-A 1141 27-MAR-2003;
Molecular Engines Laboratories (FR)
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Db 13 ATTGTTAATGAT 2

RESULT 99
I39067
LOCUS I39067 15 bp DNA linear PAT 13-MAY-1997
DEFINITION Sequence 105 from patent US 5616488.
ACCESSION I39067
VERSION I39067.1 GI:2083547
KEYWORDS
SOURCE Unknown.
ORGANISM Unclassified.
REFERENCE 1 (bases 1 to 15)
AUTHORS Sullivan,S., Draper,K.G., McSwiggen,J. and Stinchcomb,D.T.
TITLE IL-5 targeted ribozymes
JOURNAL Patent: US 5616488-A 105 01-APR-1997;
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Db 1 AAATATTCAGGCAT 15

RESULT 100
AR180199/c
LOCUS AR180199 15 bp DNA linear PAT 20-APR-2002
DEFINITION Sequence 267 from patent US 6333152.
ACCESSION AR180199
VERSION AR180199.1 GI:20222232
KEYWORDS
SOURCE Unknown.
ORGANISM Unclassified.
REFERENCE 1 (bases 1 to 15)
AUTHORS Vogelstein,B., Kinzler,K.W., Zhang,L. and Zhou,W.
TITLE Gene expression profiles in normal and cancer cells
JOURNAL Patent: US 6333152-A 267 25-DEC-2001;
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RESULT 101
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LOCUS AX635362 15 bp RNA linear PAT 21-FEB-2003
DEFINITION Sequence 2501 from Patent EP1260586.
ACCESSION AX635362
VERSION AX635362.1 GI:28470976
KEYWORDS
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  Karpeisky,A., Draper,K.G., Kisich,K., Matulic-Adamic,J.,
  McSwiggen,J.A., Modak,A., Pavco,P., Beigelman,L., Sullivan,S.M.,
  Sweedler,D., Thompson,J.D., Tracz,D., Usman,N., Wincott,F.E. and
  Woolf,T.
  Method and reagent for inhibiting the expression of disease related
  genes
  Patent: EP 1260586-A 2501 27-NOV-2002;
  RIBOZYME PHARMACEUTICALS, INC. (US)
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QY 1357 AAATATTCACGCAT 1371
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RESULT 102
A10123
LOCUS A10123 16 bp DNA linear PAT 02-SEP-1993
DEFINITION Nucleotide sequence 5 from patent number EP0224294.
ACCESSION A10123
VERSION A10123.1 GI:412032
KEYWORDS
SOURCE
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  unclassified.
ORGANISM
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  van EE,J.H.
  Regulatory region cloning and analysis plasmid for bacillus
  Patent: EP 0224294-A 5 03-JUN-1987;
  GIST-BROCADES N.V
FEATURES
  source      Location/Qualifiers
1. .16
  /organism="unidentified"
  /mol_type="unassigned DNA"
  /db_xref="taxon:32644"

Query Match
Best Local Similarity 9.1%; Score 11.8; DB 1; Length 16;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1390 GATCAAAGGAGGTAA 1404
Db 1 GATCCAAGGAGGTGA 15

RESULT 103
A10125
LOCUS A10125 16 bp DNA linear PAT 02-SEP-1993
DEFINITION Nucleotide sequence 7 from patent number EP0224294.
ACCESSION A10125
VERSION A10125.1 GI:412034
KEYWORDS
SOURCE
  .
  unidentified
  unidentified
  unclassified.
ORGANISM
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REFERENCE 1 (bases 1 to 16)
AUTHORS van EE,J.H.
TITLE Regulatory region cloning and analysis plasmid for bacillus
JOURNAL Patent: EP 0224294-A 7 03-JUN-1987;
GIST-BROCADES N.V
FEATURES Location/Qualifiers
source 1..16
/organism="unidentified"
/mol_type="unassigned DNA"
/db_xref="taxon:32644"

Query Match 9.1%; Score 11.8; DB 1; Length 16;
Best Local Similarity 86.7%; Pred. No. 60;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1390 GATCAAGGAGGTAA 1404
|||||
Db 1 GATCCAAGGAGGTGA 15

RESULT 104
A10140
LOCUS A10140 16 bp DNA linear PAT 02-SEP-1993
DEFINITION Nucleotide sequence 22 from patent number EP0224294.
ACCESSION A10140
VERSION A10140.1 GI:412049
KEYWORDS .
SOURCE unidentified
ORGANISM unidentified
unclassified.
REFERENCE 1 (bases 1 to 16)
AUTHORS van EE,J.H.
TITLE Regulatory region cloning and analysis plasmid for bacillus
JOURNAL Patent: EP 0224294-A 22 03-JUN-1987;
GIST-BROCADES N.V
FEATURES Location/Qualifiers
source 1..16
/organism="unidentified"
/mol_type="unassigned DNA"
/db_xref="taxon:32644"

Query Match 9.1%; Score 11.8; DB 1; Length 16;
Best Local Similarity 86.7%; Pred. No. 60;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1390 GATCAAGGAGGTAA 1404
|||||
Db 1 GATCCAAGGAGGTGA 15

RESULT 105
A42573/c
LOCUS A42573 16 bp DNA linear PAT 06-MAR-1997
DEFINITION Sequence 89 from Patent WO9502051.
ACCESSION A42573
VERSION A42573.1 GI:2298022
KEYWORDS .
SOURCE unidentified
ORGANISM unidentified
unclassified.
REFERENCE 1 (bases 1 to 16)
AUTHORS Schlingensiepen,G., Schlingensiepen,R., Schlingensiepen,K. and Brysch,W.
TITLE A PHARMACEUTICAL COMPOSITION COMPRISING ANTISENSE-NUCLEIC ACID FOR PREVENTION AND/OR TREATMENT OF NEURONAL INJURY, DEGENERATION AND CELL DEATH AND FOR THE TREATMENT OF NEOPLASMS
JOURNAL Patent: WO 9502051-A 89 19-JAN-1995;
BIOGNOSTIK GES FUER BIOMOLEKUL (DE)
COMMENT Other publication AU 7345694 950206.
FEATURES Location/Qualifiers
source 1..16
/organism="unidentified"
/mol_type="unassigned DNA"

/db_xref="taxon:32644"

Query Match 9.1%; Score 11.8; DB 1; Length 16;
Best Local Similarity 86.7%; Pred. No. 60;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1438 CATATACATGGAAGA 1452
|||||
Db 15 CATCAACATGGAAGA 1

RESULT 106
A88762/c
LOCUS A88762 16 bp DNA linear PAT 22-JAN-2000
DEFINITION Sequence 910 from Patent WO9833904.
ACCESSION A88762
VERSION A88762.1 GI:6737332
KEYWORDS .
SOURCE unidentified
ORGANISM unidentified
unclassified.
REFERENCE 1 (bases 1 to 16)
AUTHORS Brysch,W. and Schlingensiepen,K.
TITLE AN ANTISENSE OLIGONUCLEOTIDE PREPARATION METHOD
JOURNAL Patent: WO 9833904-A 910 06-AUG-1998;
BIOGNOSTIK GES (DE); BRYSCH WOLFGANG (DE)
FEATURES Location/Qualifiers
source 1..16
/organism="unidentified"
/mol_type="unassigned DNA"
/db_xref="taxon:32644"

Query Match 9.1%; Score 11.8; DB 1; Length 16;
Best Local Similarity 86.7%; Pred. No. 60;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1438 CATATACATGGAAGA 1452
|||||
Db 15 CATCAACATGGAAGA 1

RESULT 107
E01296
LOCUS E01296 16 bp DNA linear PAT 29-SEP-1997
DEFINITION DNA which has ribosome binding region.
ACCESSION E01296
VERSION E01296.1 GI:2169555
KEYWORDS JP 1987181789-A/3.
SOURCE synthetic construct
ORGANISM synthetic construct
artificial sequences.
REFERENCE 1 (bases 1 to 16)
AUTHORS Yan,H.B.E.E.
TITLE PLASMID FOR CLONING AND ANALYZING CONTROL REGION OF BATILLUS
JOURNAL Patent: JP 1987181789-A 3 10-AUG-1987;
GIST BROCADES NV
COMMENT OS Artificial gene
OC Artificial sequence; Genes.
PN JP 1987181789-A/3
PD 10-AUG-1987
PF 07-NOV-1986 JP 1986265399
PR 08-NOV-1985 NL 85 8503074
PI YAN HENDORITSUKU BUAN EE
PC C12N15/00,C12N1/20,C12N9/28,C12P21/00,C12Q1/68//C07H21/04, PC (C12N1/20,
PC C12R1:125), (C12N9/28,C12R1:125);
CC strandedness: Double;
CC topology: Linear;
CC hypothetical: No;
CC anti-sense: No;
FH Key Location/Qualifiers
FH RBS 1..20.
FT

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FEATURES
source
Location/Qualifiers
1. .16
/organism="synthetic construct"
/mol_type="genomic DNA"
/db_xref="taxon:32630"

Query Match
Best Local Similarity 9.1%; Score 11.8; DB 1; Length 16;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1390 GATCAAGGAGGTAA 1404
|||||
1 GATCCAAGGAGGTGA 15

RESULT 108
AX572343
LOCUS AX572343 16 bp DNA linear PAT 29-NOV-2002
DEFINITION Sequence 383 from Patent WO02055741.
ACCESSION AX572343
VERSION AX572343.1 GI:26004433
KEYWORDS
SOURCE Human immunodeficiency virus
ORGANISM Human immunodeficiency virus
REFERENCE 1
AUTHORS de Smet,K. and Stuyver,L.
TITLE Method for detection of drug-induced mutations in the hiv reverse
transcriptase gene
JOURNAL Patent: WO 0205741-A 383 18-JUL-2002;
INNOGENETICS N.V. (BE)
FEATURES
source
Location/Qualifiers
1. .16
/organism="Human immunodeficiency virus"
/mol_type="unassigned DNA"
/db_xref="taxon:12721"

Query Match
Best Local Similarity 9.1%; Score 11.8; DB 1; Length 16;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1441 ATACATGGAAGATGG 1455
|||||
2 ATACATAGATGATGG 16

Db

RESULT 109
BD066275/c
LOCUS BD066275 16 bp DNA linear PAT 27-AUG-2002
DEFINITION An antisense oligonucleotide preparation method.
ACCESSION BD066275
VERSION BD066275.1 GI:22611878
KEYWORDS JP 2001511000-A/910.
SOURCE unidentified
ORGANISM unclassified.
REFERENCE 1
AUTHORS Schlingensiepen,K.H. and Brysch,W.
TITLE An antisense oligonucleotide preparation method
JOURNAL Patent: JP 2001511000-A 910 07-AUG-2001;
BIOGNOSTIK GESELLSCHAFT FUR BIOMOLEKULARE DIAGNOSTIK MBH
COMMENT
OS Unknown
PN JP 2001511000-A/910
PD 07-AUG-2001
PF 30-JAN-1998 JP 1998532533
PR 31-JAN-1997 EP 97101531.8
PI KARL HERMANN SCHLINGENSIEPEN,WOLFGANG BRYSCH
PC C12N15/11,C07H21/04,A61K31/70
CC An antisense oligonucleotide preparation method FH Key
Location/Qualifiers
source
1. .16
/organism='Unknown'.

FT
FT
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FEATURES
source
Location/Qualifiers
1. .16
/organism="unidentified"
/mol_type="genomic DNA"
/db_xref="taxon:32644"

Query Match
Best Local Similarity 9.1%; Score 11.8; DB 1; Length 16;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1438 CATATACATGGAAGA 1452
|||||
15 CATCAACATGGAAGA 1

Db

RESULT 110
A09444
LOCUS A09444 15 bp DNA linear PAT 09-NOV-1993
DEFINITION Oligonucleotide (e2).
ACCESSION A09444
VERSION A09444.1 GI:490547
KEYWORDS
SOURCE synthetic construct
ORGANISM synthetic construct
REFERENCE 1 (bases 1 to 15)
AUTHORS Ueda,I., Niwa,M., Saitoh,Y., Satoh,S. and Yamada,H.
TITLE Process for production of somatostatin
JOURNAL Patent: EP 0197558-A 50 15-OCT-1986;
FUJISAWA PHARMACEUTICAL CO., LTD
FEATURES
source
Location/Qualifiers
1. .15
/organism="synthetic construct"
/mol_type="unassigned DNA"
/db_xref="taxon:32630"

Query Match
Best Local Similarity 8.8%; Score 11.4; DB 1; Length 15;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1410 TTAATGATGACCA 1422
|||||
3 TTAAGGATGACCA 15

Db

RESULT 111
A10647
LOCUS A10647 15 bp DNA linear PAT 02-DEC-1993
DEFINITION Oligonucleotide (E2).
ACCESSION A10647
VERSION A10647.1 GI:490773
KEYWORDS
SOURCE synthetic construct
ORGANISM synthetic construct
REFERENCE 1 (bases 1 to 15)
AUTHORS Ueda,I., Niwa,M., Saito,Y., Sato,S., Ono,H. and Kitaguchi,T.
TITLE Process for production of gamma-interferon
JOURNAL Patent: EP 0176916-A 32 09-APR-1986;
FUJISAWA PHARMACEUTICAL CO., LTD
FEATURES
source
Location/Qualifiers
1. .15
/organism="synthetic construct"
/mol_type="unassigned DNA"
/db_xref="taxon:32630"

Query Match
Best Local Similarity 8.8%; Score 11.4; DB 1; Length 15;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1410 TTAATGATGACCA 1422
|||||
3 TTAAGGATGACCA 15

Db
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RESULT 112
A11595
LOCUS      A11595                15 bp      DNA      linear      PAT 16-NOV-1993
DEFINITION oligonucleotide 'e2'.
ACCESSION A11595
VERSION   A11595.1 GI:491135
KEYWORDS  .
SOURCE    synthetic construct
ORGANISM  synthetic construct
          artificial sequences.
REFERENCE 1 (bases 1 to 15)
AUTHORS   Ueda,I., Niwa,M., Saito,Y., Sato,S., Ono,H. and Kitaguchi,T.
TITLE     59 Valine insulin-like growth factor I and process for production thereof
JOURNAL   Patent: EP 0158892-A 91 23-OCT-1985;
          FUJISAWA PHARMACEUTICAL CO., LTD
FEATURES  Location/Qualifiers
            source
              1..15
                /organism="synthetic construct"
                /mol_type="unassigned DNA"
                /db_xref="taxon:32630"

Query Match      8.8%; Score 11.4; DB 1; Length 15;
Best Local Similarity 92.3%; Pred. No. 69;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      1410 TTAATGATGACCA 1422
Db      3 TTAAGGATGACCA 15

RESULT 113
A35115
LOCUS      A35115                15 bp      DNA      linear      PAT 06-DEC-1996
DEFINITION Synthetic IGF-I gene oligo.
ACCESSION A35115
VERSION   A35115.1 GI:1926774
KEYWORDS  .
SOURCE    synthetic construct
ORGANISM  synthetic construct
          artificial sequences.
REFERENCE 1 (bases 1 to 15)
AUTHORS   Ueda,I., Niwa,M., Saitoh,S., Saitoh,Y. and Kusunoki,C.
TITLE     Process for production of insulin-like growth factor I and plasmid for production thereof
JOURNAL   Patent: EP 0219814-A 65 29-APR-1987;
          FUJISAWA PHARMACEUTICAL CO., LTD
FEATURES  Location/Qualifiers
            source
              1..15
                /organism="synthetic construct"
                /mol_type="unassigned DNA"
                /db_xref="taxon:32630"

Query Match      8.8%; Score 11.4; DB 1; Length 15;
Best Local Similarity 92.3%; Pred. No. 69;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      1410 TTAATGATGACCA 1422
Db      3 TTAAGGATGACCA 15

RESULT 114
A64287
LOCUS      A64287                15 bp      DNA      linear      PAT 29-MAR-1999
DEFINITION Sequence 75 from Patent WO9727332.
ACCESSION A64287
VERSION   A64287.1 GI:3717718
KEYWORDS  .
SOURCE    unidentified
ORGANISM  unidentified

Query Match      8.8%; Score 11.4; DB 1; Length 15;
Best Local Similarity 92.3%; Pred. No. 69;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      1410 TTAATGATGACCA 1422
Db      3 TTAAGGATGACCA 15

RESULT 115
AR036330
LOCUS      AR036330              15 bp      DNA      linear      PAT 29-SEP-1999
DEFINITION Sequence 1 from patent US 5872104.
ACCESSION AR036330
VERSION   AR036330.1 GI:5952998
KEYWORDS  .
SOURCE    Unknown.
ORGANISM  Unknown.
          Unclassified.
REFERENCE 1 (bases 1 to 15)
AUTHORS   Vermeulen,N.M.J. and Schwartz,D.E.
TITLE     Combinations and methods for reducing antimicrobial resistance
JOURNAL   Patent: US 5872104-A 1 16-FEB-1999;
          Location/Qualifiers
FEATURES  Location/Qualifiers
            source
              1..15
                /organism="unknown"
                /mol_type="unassigned DNA"

Query Match      8.8%; Score 11.4; DB 1; Length 15;
Best Local Similarity 92.3%; Pred. No. 69;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      1350 GGAAGAAAAAATAT 1362
Db      2 GGAGGAAAAAATAT 14

RESULT 116
AR053756
LOCUS      AR053756              15 bp      DNA      linear      PAT 29-SEP-1999
DEFINITION Sequence 1 from patent US 5834258.
ACCESSION AR053756
VERSION   AR053756.1 GI:5978618
KEYWORDS  .
SOURCE    Unknown.
ORGANISM  Unknown.
          Unclassified.
REFERENCE 1 (bases 1 to 15)
AUTHORS   Grifantini,R., Galli,G., Carpani,G. and Grandi,G.
TITLE     Process for the preparation of D-alpha.-amino acids
JOURNAL   Patent: US 5834258-A 1 10-NOV-1998;
          Location/Qualifiers
FEATURES  Location/Qualifiers
            source
              1..15
                /organism="unknown"
                /mol_type="unassigned DNA"

Query Match      8.8%; Score 11.4; DB 1; Length 15;
Best Local Similarity 92.3%; Pred. No. 69;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      1350 GGAAGAAAAAATAT 1362
Db      2 GGAGGAAAAAATAT 14

REFERENCE 1
AUTHORS   Stuyver,L., Louwagie,J. and Rossau,R.
TITLE     METHOD FOR DETECTION OF DRUG-INDUCED MUTATIONS IN THE REVERSE TRANSCRIPTASE GENE
JOURNAL   Patent: WO 9727332-A 75 31-JUL-1997;
          INNOGENETICS NV (BE)
COMMENT   Other publication AU 1444397 19970820.
FEATURES  Location/Qualifiers
            source
              1..15
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                /mol_type="unassigned DNA"
                /db_xref="taxon:32644"

Query Match      8.8%; Score 11.4; DB 1; Length 15;
Best Local Similarity 92.3%; Pred. No. 69;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      1441 ATACATGGGAAGAT 1453
Db      3 ATACATGGGACGAT 15

REFERENCE 1
LOCUS      AR036330              15 bp      DNA      linear      PAT 29-SEP-1999
DEFINITION Sequence 1 from patent US 5872104.
ACCESSION AR036330
VERSION   AR036330.1 GI:5952998
KEYWORDS  .
SOURCE    Unknown.
ORGANISM  Unknown.
          Unclassified.
REFERENCE 1 (bases 1 to 15)
AUTHORS   Vermeulen,N.M.J. and Schwartz,D.E.
TITLE     Combinations and methods for reducing antimicrobial resistance
JOURNAL   Patent: US 5872104-A 1 16-FEB-1999;
          Location/Qualifiers
FEATURES  Location/Qualifiers
            source
              1..15
                /organism="unknown"
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Query Match      8.8%; Score 11.4; DB 1; Length 15;
Best Local Similarity 92.3%; Pred. No. 69;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      1350 GGAAGAAAAAATAT 1362
Db      2 GGAGGAAAAAATAT 14

RESULT 116
AR053756
LOCUS      AR053756              15 bp      DNA      linear      PAT 29-SEP-1999
DEFINITION Sequence 1 from patent US 5834258.
ACCESSION AR053756
VERSION   AR053756.1 GI:5978618
KEYWORDS  .
SOURCE    Unknown.
ORGANISM  Unknown.
          Unclassified.
REFERENCE 1 (bases 1 to 15)
AUTHORS   Grifantini,R., Galli,G., Carpani,G. and Grandi,G.
TITLE     Process for the preparation of D-alpha.-amino acids
JOURNAL   Patent: US 5834258-A 1 10-NOV-1998;
          Location/Qualifiers
FEATURES  Location/Qualifiers
            source
              1..15
                /organism="unknown"
                /mol_type="unassigned DNA"

Query Match      8.8%; Score 11.4; DB 1; Length 15;
Best Local Similarity 92.3%; Pred. No. 69;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      1350 GGAAGAAAAAATAT 1362
Db      2 GGAGGAAAAAATAT 14
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QY 1395 AAGGAGGTAAAAAT 1407
Db 1 AAGGAGGAAAAAT 13

RESULT 117
AR102586
LOCUS AR102586 15 bp DNA linear PAT 14-FEB-2001
DEFINITION Sequence 75 from patent US 6087093.
ACCESSION AR102586
VERSION AR102586.1 GI:12814174
KEYWORDS
SOURCE Unknown.
ORGANISM Unknown.
Unclassified.
REFERENCE 1 (bases 1 to 15)
AUTHORS Lieven,S., Joost,L. and Rudi,R.
TITLE Method for detection of drug-induced mutations in the reverse transcriptase gene
JOURNAL Patent: US 6087093-A 75 11-JUL-2000;
FEATURES Location/Qualifiers
source 1..15
/organism="unknown"
/mol_type="unassigned DNA"

Query Match 8.8%; Score 11.4; DB 1; Length 15;
Best Local Similarity 92.3%; Pred. No. 69;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1441 ATACATGGAAGAT 1453
Db 3 ATACATGGACGAT 15

RESULT 118
I23532
LOCUS I23532 15 bp DNA linear PAT 07-OCT-1996
DEFINITION Sequence 7 from patent US 5534631.
ACCESSION I23532
VERSION I23532.1 GI:1603402
KEYWORDS
SOURCE Unknown.
ORGANISM Unknown.
Unclassified.
REFERENCE 1 (bases 1 to 15)
AUTHORS Li,C., Gaynor,R.B. and Nirula,A.
TITLE Cellular factor ILF
JOURNAL Patent: US 5534631-A 7 09-JUL-1996;
FEATURES Location/Qualifiers
source 1..15
/organism="unknown"
/mol_type="unassigned DNA"

Query Match 8.8%; Score 11.4; DB 1; Length 15;
Best Local Similarity 92.3%; Pred. No. 69;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1394 AAAGGAGGTAAAAA 1406
Db 3 AAAGGAGGAAAAA 15

RESULT 119
AR180129
LOCUS AR180129 15 bp DNA linear PAT 20-APR-2002
DEFINITION Sequence 197 from patent US 6333152.
ACCESSION AR180129
VERSION AR180129.1 GI:20222162
KEYWORDS
SOURCE Unknown.
ORGANISM Unknown.
Unclassified.

REFERENCE 1 (bases 1 to 15)
AUTHORS Vogelstein,B., Kinzler,K.W., Zhang,L. and Zhou,W.
TITLE Gene expression profiles in normal and cancer cells
JOURNAL Patent: US 6333152-A 197 25-DEC-2001;
FEATURES Location/Qualifiers
source 1..15
/organism="unknown"
/mol_type="unassigned DNA"

Query Match 8.8%; Score 11.4; DB 1; Length 15;
Best Local Similarity 92.3%; Pred. No. 69;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1444 CATGGAAGATGGG 1456
Db 1 CATGGAAGATGTG 13

RESULT 120
AR180142/c
LOCUS AR180142 15 bp DNA linear PAT 20-APR-2002
DEFINITION Sequence 210 from patent US 6333152.
ACCESSION AR180142
VERSION AR180142.1 GI:20222175
KEYWORDS
SOURCE Unknown.
ORGANISM Unknown.
Unclassified.
REFERENCE 1 (bases 1 to 15)
AUTHORS Vogelstein,B., Kinzler,K.W., Zhang,L. and Zhou,W.
TITLE Gene expression profiles in normal and cancer cells
JOURNAL Patent: US 6333152-A 210 25-DEC-2001;
FEATURES Location/Qualifiers
source 1..15
/organism="unknown"
/mol_type="unassigned DNA"

Query Match 8.8%; Score 11.4; DB 1; Length 15;
Best Local Similarity 92.3%; Pred. No. 69;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1395 AAGGAGGTAAAAAT 1407
Db 14 AAGGAGGTAACAT 2

RESULT 121
AR180792/c
LOCUS AR180792 15 bp DNA linear PAT 20-APR-2002
DEFINITION Sequence 860 from patent US 6333152.
ACCESSION AR180792
VERSION AR180792.1 GI:20222825
KEYWORDS
SOURCE Unknown.
ORGANISM Unknown.
Unclassified.
REFERENCE 1 (bases 1 to 15)
AUTHORS Vogelstein,B., Kinzler,K.W., Zhang,L. and Zhou,W.
TITLE Gene expression profiles in normal and cancer cells
JOURNAL Patent: US 6333152-A 860 25-DEC-2001;
FEATURES Location/Qualifiers
source 1..15
/organism="unknown"
/mol_type="unassigned DNA"

Query Match 8.8%; Score 11.4; DB 1; Length 15;
Best Local Similarity 92.3%; Pred. No. 69;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1395 AAGGAGGTAAAAAT 1407
Db 14 AAGGAGGTAACAT 2

RESULT 121
AR180792/c
LOCUS AR180792 15 bp DNA linear PAT 20-APR-2002
DEFINITION Sequence 860 from patent US 6333152.
ACCESSION AR180792
VERSION AR180792.1 GI:20222825
KEYWORDS
SOURCE Unknown.
ORGANISM Unknown.
Unclassified.
REFERENCE 1 (bases 1 to 15)
AUTHORS Vogelstein,B., Kinzler,K.W., Zhang,L. and Zhou,W.
TITLE Gene expression profiles in normal and cancer cells
JOURNAL Patent: US 6333152-A 860 25-DEC-2001;
FEATURES Location/Qualifiers
source 1..15
/organism="unknown"
/mol_type="unassigned DNA"

Query Match 8.8%; Score 11.4; DB 1; Length 15;
Best Local Similarity 92.3%; Pred. No. 69;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1395 AAGGAGGTAAAAAT 1407
Db 14 AAGGAGGTAACAT 2

RESULT 122
AR262889 LOCUS AR262889 15 bp DNA linear PAT 29-JAN-2003
DEFINITION Sequence 75 from patent US 6331389.
ACCESSION AR262889
VERSION AR262889.1 GI:28074592
KEYWORDS
SOURCE Unknown.
ORGANISM Unknown.
REFERENCE 1 (bases 1 to 15)
AUTHORS Lieven,S., Joost,L. and Rudi,R.
TITLE Method for detection of drug-induced mutations in the reverse transcriptase gene
JOURNAL Patent: US 6331389-A 75 18-DEC-2001;
FEATURES Location/Qualifiers
source 1..15
/organism="unknown"
/mol_type="genomic DNA"
Query Match 8.8%; Score 11.4; DB 1; Length 15;
Best Local Similarity 92.3%; Pred. No. 69;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1441 ATACATGGAAGAT 1453
Db |||||||
3 ATACATGGACGAT 15
RESULT 123
A64288 LOCUS A64288 16 bp DNA linear PAT 29-MAR-1999
DEFINITION Sequence 76 from Patent WO9727332.
ACCESSION A64288
VERSION A64288.1 GI:3717719
KEYWORDS unidentified
SOURCE unidentified
ORGANISM unidentified
REFERENCE 1
AUTHORS Stuyver,L., Louwagie,J. and Rossau,R.
TITLE METHOD FOR DETECTION OF DRUG-INDUCED MUTATIONS IN THE REVERSE TRANSCRIPTASE GENE
JOURNAL Patent: WO 9727332-A 76 31-JUL-1997;
COMMENT INNOGENETICS NV (BE)
FEATURES Other publication AU 1444397 19970820.
source 1..16
/organism="unidentified"
/mol_type="unassigned DNA"
/db_xref="taxon:32644"
Query Match 8.8%; Score 11.4; DB 1; Length 16;
Best Local Similarity 92.3%; Pred. No. 73;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1441 ATACATGGAAGAT 1453
Db |||||||
4 ATACATGGACGAT 16
RESULT 124
AR102587 LOCUS AR102587 16 bp DNA linear PAT 14-FEB-2001
DEFINITION Sequence 76 from patent US 6087093.
ACCESSION AR102587
VERSION AR102587.1 GI:12814175
KEYWORDS
SOURCE Unknown.
ORGANISM Unknown.
REFERENCE 1 (bases 1 to 16)

AUTHORS Lieven,S., Joost,L. and Rudi,R.
TITLE Method for detection of drug-induced mutations in the reverse transcriptase gene
JOURNAL Patent: US 6087093-A 76 11-JUL-2000;
FEATURES Location/Qualifiers
source 1..16
/organism="unknown"
/mol_type="unassigned DNA"
Query Match 8.8%; Score 11.4; DB 1; Length 16;
Best Local Similarity 92.3%; Pred. No. 73;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1441 ATACATGGAAGAT 1453
Db |||||||
4 ATACATGGACGAT 16
RESULT 125
AR262890 LOCUS AR262890 16 bp DNA linear PAT 29-JAN-2003
DEFINITION Sequence 76 from patent US 6331389.
ACCESSION AR262890
VERSION AR262890.1 GI:28074593
KEYWORDS
SOURCE Unknown.
ORGANISM Unknown.
REFERENCE 1 (bases 1 to 16)
AUTHORS Lieven,S., Joost,L. and Rudi,R.
TITLE Method for detection of drug-induced mutations in the reverse transcriptase gene
JOURNAL Patent: US 6331389-A 76 18-DEC-2001;
FEATURES Location/Qualifiers
source 1..16
/organism="unknown"
/mol_type="genomic DNA"
Query Match 8.8%; Score 11.4; DB 1; Length 16;
Best Local Similarity 92.3%; Pred. No. 73;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1441 ATACATGGAAGAT 1453
Db |||||||
4 ATACATGGACGAT 16
RESULT 126
AX328262/c LOCUS AX328262 16 bp RNA linear PAT 07-JAN-2002
DEFINITION Sequence 34 from Patent WO0183754.
ACCESSION AX328262
VERSION AX328262.1 GI:18098243
KEYWORDS
SOURCE synthetic construct
ORGANISM synthetic construct
artificial sequences.
REFERENCE 1
AUTHORS Kruger,M., Welch,P.J. and Barber,J.R.
TITLE Cellular regulators of infectious agents and methods of use
JOURNAL Patent: WO 0183754-A 34 08-NOV-2001;
FEATURES Immusol Incorporated (US)
source 1..16
/organism="synthetic construct"
/mol_type="unassigned RNA"
/db_xref="taxon:32630"
/note="Synthetic oligonucleotide"
Query Match 8.8%; Score 11.4; DB 1; Length 16;
Best Local Similarity 85.7%; Pred. No. 73;
Matches 12; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1407 TTGTTAATGATGAC 1420
Db 16 TTGTTAATGACNAC 3

RESULT 127
AX572290
LOCUS AX572290 16 bp DNA linear PAT 29-NOV-2002
DEFINITION Sequence 330 from Patent WO02055741.
ACCESSION AX572290
VERSION AX572290.1 GI:26004380
KEYWORDS
SOURCE Human immunodeficiency virus
ORGANISM Human immunodeficiency virus
Viruses; Retrovirdae; Retroviridae; Lentivirus; Primate
REFERENCE 1
AUTHORS de Smet,K. and Stuyver,L.
TITLE Method for detection of drug-induced mutations in the hiv reverse transcriptase gene
JOURNAL Patent: WO 02055741-A 330 18-JUL-2002;
INNOGENETICS N.V. (BE)
FEATURES
source
1. .16
/organism="Human immunodeficiency virus"
/mol_type="unassigned DNA"
/db_xref="taxon:12721"

Query Match 8.8%; Score 11.4; DB 1; Length 16;
Best Local Similarity 92.3%; Pred. No. 73;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1441 ATACATGGAAGAT 1453
Db 4 ATACATGGAATGAT 16

RESULT 128
AX572293
LOCUS AX572293 16 bp DNA linear PAT 29-NOV-2002
DEFINITION Sequence 333 from Patent WO02055741.
ACCESSION AX572293
VERSION AX572293.1 GI:26004383
KEYWORDS
SOURCE Human immunodeficiency virus
ORGANISM Human immunodeficiency virus
Viruses; Retrovirdae; Retroviridae; Lentivirus; Primate
REFERENCE 1
AUTHORS de Smet,K. and Stuyver,L.
TITLE Method for detection of drug-induced mutations in the hiv reverse transcriptase gene
JOURNAL Patent: WO 02055741-A 333 18-JUL-2002;
INNOGENETICS N.V. (BE)
FEATURES
source
1. .16
/organism="Human immunodeficiency virus"
/mol_type="unassigned DNA"
/db_xref="taxon:12721"

Query Match 8.8%; Score 11.4; DB 1; Length 16;
Best Local Similarity 92.3%; Pred. No. 73;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1441 ATACATGGAAGAT 1453
Db 2 ATACATGGAATGAT 14

RESULT 129
I84476
LOCUS I84476 16 bp DNA linear PAT 04-APR-1998
DEFINITION Sequence 26 from patent US 5695939.

ACCESSION I84476
VERSION I84476.1 GI:3021996
KEYWORDS
SOURCE Unknown.
ORGANISM Unknown.
REFERENCE 1 (bases 1 to 16)
AUTHORS Zhu,Q. and Lamb,C.J.
TITLE Plant defense genes and plant defense regulatory elements
JOURNAL Patent: US 5695939-A 26 09-DEC-1997;
FEATURES
source
1. .16
/organism="unknown"
/mol_type="unassigned DNA"

Query Match 8.6%; Score 11.2; DB 1; Length 16;
Best Local Similarity 81.2%; Pred. No. 81;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1431 ATGCAGACATATACAT 1446
Db 1 ATGCATGCATATGCAT 16

RESULT 130
AR435802
LOCUS AR435802 16 bp RNA linear PAT 18-DEC-2003
DEFINITION Sequence 61 from patent US 6656731.
ACCESSION AR435802
VERSION AR435802.1 GI:40198886
KEYWORDS
SOURCE Unknown.
ORGANISM Unknown.
REFERENCE 1 (bases 1 to 16)
AUTHORS Eckstein,F., Ludwig,J. and Beigelman,L.
TITLE Nucleic acid catalysts with endonuclease activity
JOURNAL Patent: US 6656731-A 61 02-DEC-2003;
FEATURES
source
1. .16
/organism="unknown"
/mol_type="unassigned RNA"

Query Match 8.6%; Score 11.2; DB 1; Length 16;
Best Local Similarity 81.2%; Pred. No. 81;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1390 GATCAAGGAGGTAAA 1405
Db 1 GAGCAAGAGTGTAAA 16

RESULT 131
AX572323
LOCUS AX572323 16 bp DNA linear PAT 29-NOV-2002
DEFINITION Sequence 363 from Patent WO02055741.
ACCESSION AX572323
VERSION AX572323.1 GI:26004413
KEYWORDS
SOURCE Human immunodeficiency virus
ORGANISM Human immunodeficiency virus
Viruses; Retrovirdae; Retroviridae; Lentivirus; Primate
REFERENCE 1
AUTHORS de Smet,K. and Stuyver,L.
TITLE Method for detection of drug-induced mutations in the hiv reverse transcriptase gene
JOURNAL Patent: WO 02055741-A 363 18-JUL-2002;
INNOGENETICS N.V. (BE)
FEATURES
source
1. .16
/organism="Human immunodeficiency virus"
/mol_type="unassigned DNA"

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/db_xref="taxon:12721"

Query Match      8.6%; Score 11.2; DB 1; Length 16;
Best Local Similarity 81.2%; Pred. No. 81;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1436 GACATATACATGGAAG 1451
    ||| ||||| |||
Db 1 GACCAATACATGGATG 16

RESULT 132
AX572329
LOCUS AX572329 16 bp DNA linear PAT 29-NOV-2002
DEFINITION Sequence 369 from Patent WO02055741.
ACCESSION AX572329
VERSION AX572329.1 GI:26004419
KEYWORDS
SOURCE Human immunodeficiency virus
ORGANISM Human immunodeficiency virus
REFERENCE 1
AUTHORS de Smet,K. and Stuyver,L.
TITLE Method for detection of drug-induced mutations in the hiv reverse
JOURNAL transcriptase gene
PATENT: WO 02055741-A 369 18-JUL-2002;
INNOGENETICS N.V. (BE)
FEATURES
    source
        Location/Qualifiers
            1..16
                /organism="Human immunodeficiency virus"
                /mol_type="unassigned DNA"
                /db_xref="taxon:12721"

Query Match      8.6%; Score 11.2; DB 1; Length 16;
Best Local Similarity 81.2%; Pred. No. 81;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1442 TACATGGAAGATGGGT 1457
    ||||| ||||| |||
Db 1 TACATGGATGATTTGT 16

RESULT 133
AR030107/c
LOCUS AR030107 11 bp DNA linear PAT 29-SEP-1999
DEFINITION Sequence 296 from patent US 5861244.
ACCESSION AR030107
VERSION AR030107.1 GI:5943321
KEYWORDS
SOURCE Unknown.
ORGANISM Unclassified.
REFERENCE 1 (bases 1 to 11)
AUTHORS Wang,C.-G. and Hepburn,A.G.
TITLE Genetic sequence assay using DNA triple strand formation
JOURNAL Patent: US 5861244-A 296 19-JAN-1999;
FEATURES
    source
        Location/Qualifiers
            1..11
                /organism="unknown"
                /mol_type="unassigned DNA"

Query Match      8.5%; Score 11; DB 1; Length 11;
Best Local Similarity 100.0%; Pred. No. 65;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1347 AGGGGAAGAAA 1357
    ||||| |||||
Db 11 AGGGGAAGAAA 1

RESULT 134
AX099210/c
LOCUS AX099210 12 bp DNA linear PAT 02-APR-2001
DEFINITION Sequence 45 from Patent WO0119993.
ACCESSION AX099210
VERSION AX099210.1 GI:13538390
KEYWORDS
SOURCE synthetic construct
ORGANISM synthetic construct
REFERENCE 1
AUTHORS Trucksis,M.
TITLE Virulence genes of M. marinum and M. tuberculosis
JOURNAL Patent: WO 0119993-A 45 22-MAR-2001;
University of Maryland, Baltimore (US) ; The Department of Veterans
Affairs (US)
FEATURES
    source
        Location/Qualifiers
            1..12
                /organism="synthetic construct"
                /mol_type="unassigned DNA"
                /db_xref="taxon:32630"
                /note="Synthetic Oligonucleotide"

Query Match      8.5%; Score 11; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 70;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1372 CACGAGCGATC 1382
    ||||| |||||
Db 11 CACGAGCGATC 1

RESULT 135
A00238
LOCUS A00238 14 bp DNA linear PAT 18-MAR-1993
DEFINITION Artificial sequence for oligonucleotide R247.
ACCESSION A00238
VERSION A00238.1 GI:344141
KEYWORDS
SOURCE synthetic construct
ORGANISM synthetic construct
REFERENCE 1 (bases 1 to 14)
AUTHORS
JOURNAL Patent: GB 2140810-A 32 05-DEC-1984;
FEATURES
    source
        Location/Qualifiers
            1..14
                /organism="synthetic construct"
                /mol_type="unassigned DNA"
                /db_xref="taxon:32630"

Query Match      8.5%; Score 11; DB 1; Length 14;
Best Local Similarity 100.0%; Pred. No. 80;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1385 CTTCTGATCAA 1395
    ||||| |||||
Db 3 CTTCTGATCAA 13

RESULT 136
A01177
LOCUS A01177 14 bp DNA linear PAT 02-JUL-1993
DEFINITION Artificial sequence for oligonucleotide R247.
ACCESSION A01177
VERSION A01177.1 GI:410784
KEYWORDS
SOURCE synthetic construct
ORGANISM synthetic construct
REFERENCE 1 (bases 1 to 14)
AUTHORS
JOURNAL Patent: WO 8404756-A 10 06-DEC-1984;
FEATURES
    source
        Location/Qualifiers
            1..14
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/organism="synthetic construct"
/mol_type="unassigned DNA"
/db_xref="taxon:32630"

Query Match      8.5%; Score 11; DB 1; Length 14;
Best Local Similarity 100.0%; Pred. No. 80;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1385 CTTCTGATCAA 1395
Db 3 CTTCTGATCAA 13

RESULT 137
A22508
LOCUS A22508 14 bp DNA linear PAT 24-OCT-1994
DEFINITION Oligonucleotide R247.
ACCESSION A22508
VERSION A22508.1 GI:641532
KEYWORDS
SOURCE synthetic construct
ORGANISM synthetic construct
artificial sequences.
REFERENCE
1 (bases 1 to 14)
AUTHORS Bennett,A.D., Rhind,S.K., Lowe,P.A. and Hentschel,C.C.G.
TITLE Polypeptide and protein products, and processes for their
production and use
JOURNAL Patent: EP 0131363-A 10 16-JAN-1985;
CELLTECH LIMITED
FEATURES
source
Location/Qualifiers
1..14
/organism="synthetic construct"
/mol_type="unassigned DNA"
/db_xref="taxon:32630"

Query Match      8.5%; Score 11; DB 1; Length 14;
Best Local Similarity 100.0%; Pred. No. 80;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1385 CTTCTGATCAA 1395
Db 3 CTTCTGATCAA 13

RESULT 138
AR374275
LOCUS AR374275 14 bp DNA linear PAT 18-DEC-2003
DEFINITION Sequence 6 from patent US 6605431.
ACCESSION AR374275
VERSION AR374275.1 GI:40076990
KEYWORDS
SOURCE Unknown.
ORGANISM Unknown.
Unclassified.
REFERENCE
1 (bases 1 to 14)
AUTHORS Gourse,R.L., Estrem,S.T., Ross,W.E. and Gaal,T.
TITLE Promoter elements and methods of use
JOURNAL Patent: US 6605431-A 6 12-AUG-2003;
FEATURES
source
Location/Qualifiers
1..14
/organism="unknown"
/mol_type="genomic DNA"

Query Match      8.5%; Score 11; DB 1; Length 14;
Best Local Similarity 100.0%; Pred. No. 80;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1353 AGAAAAATATT 1363
Db 1 AGAAAAATATT 11

RESULT 139

/organism="synthetic construct"
/mol_type="unassigned DNA"
/db_xref="taxon:32630"

AX357289
LOCUS AX357289 15 bp DNA linear PAT 13-FEB-2002
DEFINITION Sequence 13 from Patent WO0185208.
ACCESSION AX357289
VERSION AX357289.1 GI:18674441
KEYWORDS
SOURCE synthetic construct
ORGANISM synthetic construct
artificial sequences.
REFERENCE
1
AUTHORS Sebbel,P., Dunant,N., Bachmann,M., Tissot,A. and Lechener,F.
TITLE Molecular antigen arrays and vaccines
JOURNAL Patent: WO 0185208-A 13 15-NOV-2001;
Cytos Biotechnology AG (CH) ; Sebbel, Peter (CH) ; Dunant, Nicolas
(CH) ; Bachmann, Martin (CH) ; Tissot, Alain (CH) ; Lechener,
Franziska (CH)
FEATURES
source
Location/Qualifiers
1..15
/organism="synthetic construct"
/mol_type="unassigned DNA"
/db_xref="taxon:32630"
/note="Modified ribosome binding site"

Query Match      8.5%; Score 11; DB 1; Length 15;
Best Local Similarity 100.0%; Pred. No. 85;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1396 AGGAGGTAAAA 1406
Db 1 AGGAGGTAAAA 11

RESULT 140
AX456096
LOCUS AX456096 15 bp DNA linear PAT 06-JUL-2002
DEFINITION Sequence 9 from Patent WO0209751.
ACCESSION AX456096
VERSION AX456096.1 GI:21715043
KEYWORDS
SOURCE Escherichia coli
ORGANISM Escherichia coli
Bacteria; Proteobacteria; Gammaproteobacteria; Enterobacteriales;
Enterobacteriaceae; Escherichia.
REFERENCE
1
AUTHORS Bachmann,M.F. and Renner,W.A.
TITLE Compositions for inducing self-specific anti-ige antibodies and
uses thereof
JOURNAL Patent: WO 0209751-A 9 07-FEB-2002;
Cytos Biotechnology AG (CH) ; Bachmann, Martin (CH) ; Renner,
Wolfgang Andreas (CH)
FEATURES
source
Location/Qualifiers
1..15
/organism="Escherichia coli"
/mol_type="unassigned DNA"
/db_xref="taxon:562"

Query Match      8.5%; Score 11; DB 1; Length 15;
Best Local Similarity 100.0%; Pred. No. 85;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1396 AGGAGGTAAAA 1406
Db 1 AGGAGGTAAAA 11

RESULT 141
AX551046
LOCUS AX551046 15 bp DNA linear PAT 26-NOV-2002
DEFINITION Sequence 13 from Patent WO02056907.
ACCESSION AX551046
VERSION AX551046.1 GI:25814044
KEYWORDS
SOURCE synthetic construct
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ORGANISM      synthetic construct
              artificial sequences.
REFERENCE
AUTHORS      Renner,W.A., Bachmann,M., Tissot,A., Maurer,P., Lechner,F.,
              Sebbel,P. and Piossek,C.
TITLE        Molecular antigen array
JOURNAL      Patent: WO 02056907-A 13 25-JUL-2002;
              Cytos Biotechnology AG (CH) ; Novartis Pharma AG. (CH) ; Renner,
              Wolfgang Andreas (CH) ; Bachmann, Martin (CH) ; Tissot, Alain (CH)
              ; Maurer, Patrick (CH)
FEATURES
source       Location/Qualifiers
              1..15
              /organism="synthetic construct"
              /mol_type="unassigned DNA"
              /db_xref="taxon:32630"
              /note="Modified ribosome binding site"
Query Match      8.5%; Score 11; DB 1; Length 15;
Best Local Similarity 100.0%; Pred. No. 85;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1396 AGGAGGTAAAA 1406
Db 1 AGGAGGTAAAA 11
RESULT 142
AX551746
LOCUS      AX551746      15 bp      DNA      linear      PAT 26-NOV-2002
DEFINITION Sequence 13 from Patent WO02056905.
ACCESSION  AX551746
VERSION     AX551746.1 GI:25814545
KEYWORDS   .
SOURCE     synthetic construct
           synthetic construct
           artificial sequences.
REFERENCE  1
AUTHORS   Renner,W.A., Bachmann,M., Tissot,A., Maurer,P., Lechner,F.,
           Sebbel,P. and Piossek,C.
TITLE     Molecular antigen array
JOURNAL   Patent: WO 02056905-A 13 25-JUL-2002;
           Cytos Biotechnology AG (CH)
FEATURES
source    Location/Qualifiers
           1..15
           /organism="synthetic construct"
           /mol_type="unassigned DNA"
           /db_xref="taxon:32630"
           /note="Modified ribosome binding site"
Query Match      8.5%; Score 11; DB 1; Length 15;
Best Local Similarity 100.0%; Pred. No. 85;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1396 AGGAGGTAAAA 1406
Db 1 AGGAGGTAAAA 11
RESULT 143
A88589
LOCUS      A88589      14 bp      DNA      linear      PAT 22-JAN-2000
DEFINITION Sequence 737 from Patent WO9833904.
ACCESSION  A88589
VERSION     A88589.1 GI:6737159
KEYWORDS   .
SOURCE     unidentified
           unidentified
           unclassified.
REFERENCE  1 (bases 1 to 14)
AUTHORS   Brysch,W. and Schlingensiepen,K.
TITLE     AN ANTISENSE OLIGONUCLEOTIDE PREPARATION METHOD
JOURNAL   Patent: WO 9833904-A 737 06-AUG-1998;
           BIOGNOSTIK GES (DE); BRYSCH WOLFGANG (DE)
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FEATURES
source       Location/Qualifiers
              1..14
              /organism="unidentified"
              /mol_type="unassigned DNA"
              /db_xref="taxon:32644"
Query Match      8.3%; Score 10.8; DB 1; Length 14;
Best Local Similarity 85.7%; Pred. No. 89;
Matches 12; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
QY 1402 TAAATTTGTTAATG 1415
Db 1 TAAATTTTGAATG 14
RESULT 144
A90556
LOCUS      A90556      14 bp      DNA      linear      PAT 22-JAN-2000
DEFINITION Sequence 737 from Patent EP0856579.
ACCESSION  A90556
VERSION     A90556.1 GI:6739070
KEYWORDS   .
SOURCE     unidentified
           unidentified
           unclassified.
REFERENCE  1 (bases 1 to 14)
AUTHORS   Brysch,W.D. and Schlingensiepen,K.D.
TITLE     An antisense oligonucleotide preparation method
JOURNAL   Patent: EP 0856579-A 737 05-AUG-1998;
           BIOGNOSTIK GES (DE)
FEATURES
source    Location/Qualifiers
           1..14
           /organism="unidentified"
           /mol_type="unassigned DNA"
           /db_xref="taxon:32644"
Query Match      8.3%; Score 10.8; DB 1; Length 14;
Best Local Similarity 85.7%; Pred. No. 89;
Matches 12; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
QY 1402 TAAATTTGTTAATG 1415
Db 1 TAAATTTTGAATG 14
RESULT 145
AR205552/c
LOCUS      AR205552      14 bp      DNA      linear      PAT 20-JUN-2002
DEFINITION Sequence 86 from patent US 6369027.
ACCESSION  AR205552
VERSION     AR205552.1 GI:21503164
KEYWORDS   .
SOURCE     Unknown.
           Unknown.
           Unclassified.
REFERENCE  1 (bases 1 to 14)
AUTHORS   Boyle,W.J., Lacey,D.L., Calzone,F.J. and Chang,M.-S.
TITLE     Osteoprotegerin
JOURNAL   Patent: US 6369027-A 86 09-APR-2002;
           Location/Qualifiers
FEATURES
source    Location/Qualifiers
           1..14
           /organism="unknown"
           /mol_type="unassigned DNA"
Query Match      8.3%; Score 10.8; DB 1; Length 14;
Best Local Similarity 85.7%; Pred. No. 89;
Matches 12; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
QY 1408 TGTTAATGATGACC 1421
Db 14 TGTTAATGAGGATC 1
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RESULT 146
AR374296/c
LOCUS AR374296 14 bp DNA linear PAT 18-DEC-2003
DEFINITION Sequence 27 from patent US 6605431.
ACCESSION AR374296
VERSION AR374296.1 GI:40077011
KEYWORDS
SOURCE Unknown.
ORGANISM Unknown.
REFERENCE 1 (bases 1 to 14)
AUTHORS Gourse,R.L., Estrem,S.T., Ross,W.E. and Gaal,T.
TITLE Promoter elements and methods of use
JOURNAL Patent: US 6605431-A 27 12-AUG-2003;
FEATURES
source
1. .14
/organism="unknown"
/mol_type="genomic DNA"

Query Match 8.3%; Score 10.8; DB 1; Length 14;
Best Local Similarity 85.7%; Pred. No. 89;
Matches 12; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1352 AAGAAAAATATTCC 1365
||| ||||| |||||
Db 14 AAAAAAAATTTTCC 1

RESULT 147
AX076570/c
LOCUS AX076570 14 bp DNA linear PAT 06-FEB-2001
DEFINITION Sequence 86 from Patent WO0103719.
ACCESSION AX076570
VERSION AX076570.1 GI:12711120
KEYWORDS
SOURCE synthetic construct
ORGANISM synthetic construct
artificial sequences.
REFERENCE 1
AUTHORS Boyle,W.J., Lacey,D.L., Calzone,F.J., Chang,M.S. and Senaldi,G.
TITLE Combination therapy for conditions leading to bone loss
JOURNAL Patent: WO 0103719-A 86 18-JAN-2001;
Amgen Inc. (US)
FEATURES
source
1. .14
/organism="synthetic construct"
/mol_type="unassigned DNA"
/db_xref="taxon:32630"
/note="Part of oligonucleotide duplex used in vector
formation."

Query Match 8.3%; Score 10.8; DB 1; Length 14;
Best Local Similarity 85.7%; Pred. No. 89;
Matches 12; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1408 TGTTAATGATGACC 1421
||||| ||||| |||
Db 14 TGTTAATGAGGATC 1

RESULT 148
BD066102
LOCUS BD066102 14 bp DNA linear PAT 27-AUG-2002
DEFINITION An antisense oligonucleotide preparation method.
ACCESSION BD066102
VERSION BD066102.1 GI:22611705
KEYWORDS JP 2001511000-A/737.
SOURCE unidentified
ORGANISM unidentified
unclassified.
REFERENCE 1 (bases 1 to 14)
AUTHORS Schlingensiepen,K.H. and Brysch,W.
TITLE An antisense oligonucleotide preparation method

JOURNAL Patent: JP 2001511000-A 737 07-AUG-2001;
BIOGNOSTIK GESELLSCHAFT FUR BIOMOLEKULARE DIAGNOSTIK MBH
COMMENT OS Unknown
PN JP 2001511000-A/737
PD 07-AUG-2001
PF 30-JAN-1998 JP 1998532533
PR 31-JAN-1997 EP 97101531.8
PI KARL HERMANN SCHLINGENSIEPEN,WOLFGANG BRYSCH
PC C12N15/11,C07H21/04,A61K31/70
CC An antisense oligonucleotide preparation method FH Key
FEATURES
source
1. .14
/organism='Unknown'
Location/Qualifiers
1. .14
/organism="unidentified"
/mol_type="genomic DNA"
/db_xref="taxon:32644"

Query Match 8.3%; Score 10.8; DB 1; Length 14;
Best Local Similarity 85.7%; Pred. No. 89;
Matches 12; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1402 TAAAATTGTTAATG 1415
||||| ||||| |||||
Db 1 TAAAATTTGAATG 14

RESULT 149
BD209438
LOCUS BD209438 14 bp RNA linear PAT 17-JUL-2003
DEFINITION Enzymatic nucleic acid treatment of diseases or conditions related
to hepatitis C virus infection.
ACCESSION BD209438
VERSION BD209438.1 GI:33019208
KEYWORDS JP 2002512791-A/3028.
SOURCE unidentified
ORGANISM unidentified
unclassified.
REFERENCE 1 (bases 1 to 14)
AUTHORS Blatt,L., Mcswiggen,J.A., Roberts,E., Pavco,P.A. and Macejak,D.
TITLE Enzymatic nucleic acid treatment of diseases or conditions related
to hepatitis C virus infection
JOURNAL Patent: JP 2002512791-A 3028 08-MAY-2002;
RIBOZYME PHARMACEUTICALS INC
COMMENT OS Hepatitis virus (hepatitis C virus)
PN JP 2002512791-A/3028
PD 08-MAY-2002
PF 26-APR-1999 JP 2000545991
PR 27-APR-1998 US 60/083217,18-SEP-1998 US 60/100842 PR
25-FEB-1999 US 09/257608,23-MAR-1999 US 09/274553 PI
LAWRENCE BLATT,JAMES A MCSWIGGEN,ELISABETH ROBERTS,PAMELA A PI
PAVCO,
PI DENNIS MACEJAK
PC C12N9/00,A61K31/7105,A61K38/21,A61K48/00,A61P31/12,C12N15/09,
PC A61K37/66,
PC C12N15/00
CC Enzymatic nucleic acid treatment of diseases or conditions
related to
hepatitis C virus infection.
FH Key Location/Qualifiers
FT source 1. .14
/organism='Hepatitis virus (hepatitis C FT
virus)'.
Location/Qualifiers
1. .14
/organism="unidentified"
/mol_type="genomic RNA"
/db_xref="taxon:32644"

Query Match 8.3%; Score 10.8; DB 1; Length 14;
Best Local Similarity 85.7%; Pred. No. 89;
Matches 12; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

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QY      1382  CGCTCTCTGATCAA 1395
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Db      1  CGTCTGCTGCTCAA 14

RESULT 150
ATH526531/c
LOCUS   Arabidopsis thaliana T-DNA flanking sequence, left border, clone
DEFINITION
ACCESSION
VERSION  AJ526531.1  GI:26794791
KEYWORDS  left border; T-DNA flanking sequence.
SOURCE    Arabidopsis thaliana (thale cress)
ORGANISM  Arabidopsis thaliana
          Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
          Spermatophyta; Magnoliophyta; eudicotyledons; core eudicots;
          rosids; eurosids II; Brassicales; Brassicaceae; Arabidopsis.

REFERENCE
AUTHORS   Brunaud,V., Balzergue,S., Dubreucq,B., Aubourg,S., Samson,F.,
          Chauvin,S., Bechtold,N., Cruaud,C., DeRose,R., Pelletier,G.,
          Lepiniec,L., Caboche,M. and Lecharny,A.
TITLE     T-DNA integration into the Arabidopsis genome depends on sequences
          of pre-insertion sites
JOURNAL   EMBO Rep. 3 (12), 1152-1157 (2002)
MEDLINE   22363535
PUBMED    12446565
REFERENCE 2 (bases 1 to 14)
AUTHORS   Balzergue,S.
TITLE     Direct Submission
JOURNAL   Submitted (21-NOV-2002) Balzergue S., UMRGV, INRA/CNRS, 2 rue
          Gaston Cremieux, 91057 Evry cedex, FRANCE
COMMENT   PCR was performed on DNA from transformants of Arabidopsis thaliana
          plants from INRA (Versailles). The DNA fragment(s) resulting from
          the PCR were directly sequenced from the left or the right border
          to determine the genomic sequence flanking the insertion. T-DNA
          derived sequences were removed. Information to order the
          corresponding mutant line and a link to a database providing a
          graphical display of the insertion site are available at
          http://dbgap.versailles.inra.fr/publiclines/. This sequence has
          been generated in the framework of the French plant genomics
          program 'Genoplante' (http://www.genoplante.com and
          http://genoplante-info.infobiogen.fr).

FEATURES
          Location/Qualifiers
            1..14
              /organism="Arabidopsis thaliana"
              /mol_type="genomic DNA"
              /cultiivar="Wassillewskija"
              /db_xref="taxon:3702"
              /clone="121G04"
              /clone_lib="Arabidopsis thaliana T-DNA insertion lines"
            misc_feature
              1..14
                /note="T-DNA flanking sequence
                left border"

          Query Match      8.3%; Score 10.8; DB 1; Length 14;
          Best Local Similarity 85.7%; Pred. No. 89;
          Matches 12; Conservative 0; Mismatches 2; Indels 0; Gaps 0

QY      1403  AAAATTGTTAATGA 1416
        ||||| ||||| |||||
Db      14  AAAACTGTTAATAA 1

RESULT 151
A43116
LOCUS   A43116
DEFINITION Sequence 2 from Patent WO9505481.
ACCESSION A43116
VERSION   A43116.1  GI:2298506
KEYWORDS  .
SOURCE    unidentified
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VERSION AR051085.1 GI:5974449
KEYWORDS
SOURCE Unknown.
ORGANISM Unknown.
REFERENCE 1 (bases 1 to 15)
AUTHORS Crea,R.
TITLE Walk-through mutagenesis
JOURNAL Patent: US 5830650-A 30 03-NOV-1998;
FEATURES Location/Qualifiers
source
1..15
/organism="unknown"
/mol_type="unassigned DNA"
Query Match 8.3%; Score 10.8; DB 1; Length 15;
Best Local Similarity 85.7%; Pred. No. 94;
Matches 12; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
QY 1436 GACATATACATGGA 1449
Db 1 GACTTCTACATGGA 14
RESULT 154
AR056184
LOCUS AR056184 15 bp DNA linear PAT 29-SEP-1999
DEFINITION Sequence 388 from patent US 5837542.
ACCESSION AR056184
VERSION AR056184.1 GI:5981761
KEYWORDS
SOURCE Unknown.
ORGANISM Unknown.
REFERENCE 1 (bases 1 to 15)
AUTHORS Grimm,S., Stinchcomb,D.T., McSwiggen,J., Sullivan,S. and Draper,K.G.
TITLE Intercellular adhesion molecule-1 (ICAM-1) ribozymes
JOURNAL Patent: US 5837542-A 388 17-NOV-1998;
FEATURES Location/Qualifiers
source
1..15
/organism="unknown"
/mol_type="unassigned DNA"
Query Match 8.3%; Score 10.8; DB 1; Length 15;
Best Local Similarity 85.7%; Pred. No. 94;
Matches 12; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
QY 1421 CAGTCGTTCTATGC 1434
Db 1 CAGTGGTTCTCTGC 14
RESULT 155
AR056495
LOCUS AR056495 15 bp DNA linear PAT 29-SEP-1999
DEFINITION Sequence 699 from patent US 5837542.
ACCESSION AR056495
VERSION AR056495.1 GI:5982072
KEYWORDS
SOURCE Unknown.
ORGANISM Unknown.
REFERENCE 1 (bases 1 to 15)
AUTHORS Grimm,S., Stinchcomb,D.T., McSwiggen,J., Sullivan,S. and Draper,K.G.
TITLE Intercellular adhesion molecule-1 (ICAM-1) ribozymes
JOURNAL Patent: US 5837542-A 699 17-NOV-1998;
FEATURES Location/Qualifiers
source
1..15
/organism="unknown"
/mol_type="unassigned DNA"
Query Match 8.3%; Score 10.8; DB 1; Length 15;

Best Local Similarity 85.7%; Pred. No. 94;
Matches 12; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
QY 1421 CAGTCGTTCTATGC 1434
Db 1 CAGTGGTTCTCTGC 14
RESULT 156
AR113942
LOCUS AR113942 15 bp DNA linear PAT 16-MAY-2001
DEFINITION Sequence 388 from patent US 6132967.
ACCESSION AR113942
VERSION AR113942.1 GI:14094264
KEYWORDS
SOURCE Unknown.
ORGANISM Unknown.
REFERENCE 1 (bases 1 to 15)
AUTHORS Grimm,S., Stinchcomb,D.T., McSwiggen,J., Sullivan,S. and Draper,K.G.
TITLE Ribozyme treatment of diseases or conditions related to levels of intercellular adhesion molecule-1 (ICAM-1)
JOURNAL Patent: US 6132967-A 388 17-OCT-2000;
FEATURES Location/Qualifiers
source
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/mol_type="unassigned DNA"
Query Match 8.3%; Score 10.8; DB 1; Length 15;
Best Local Similarity 85.7%; Pred. No. 94;
Matches 12; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
QY 1421 CAGTCGTTCTATGC 1434
Db 1 CAGTGGTTCTCTGC 14
RESULT 157
AR114253
LOCUS AR114253 15 bp DNA linear PAT 16-MAY-2001
DEFINITION Sequence 699 from patent US 6132967.
ACCESSION AR114253
VERSION AR114253.1 GI:14094575
KEYWORDS
SOURCE Unknown.
ORGANISM Unknown.
REFERENCE 1 (bases 1 to 15)
AUTHORS Grimm,S., Stinchcomb,D.T., McSwiggen,J., Sullivan,S. and Draper,K.G.
TITLE Ribozyme treatment of diseases or conditions related to levels of intercellular adhesion molecule-1 (ICAM-1)
JOURNAL Patent: US 6132967-A 699 17-OCT-2000;
FEATURES Location/Qualifiers
source
1..15
/organism="unknown"
/mol_type="unassigned DNA"
Query Match 8.3%; Score 10.8; DB 1; Length 15;
Best Local Similarity 85.7%; Pred. No. 94;
Matches 12; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
QY 1421 CAGTCGTTCTATGC 1434
Db 1 CAGTGGTTCTCTGC 14
RESULT 158
E00981/c
LOCUS E00981 15 bp DNA linear PAT 29-SEP-1997
DEFINITION N-Terminal DNA sequence coding for human IL-2 analogue, 1-5.
ACCESSION E00981


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VERSION E00981.1 GI:2169242
KEYWORDS JP 1986225199-A/4.
SOURCE unidentified
ORGANISM unidentified
REFERENCE 1 (bases 1 to 15)
AUTHORS Miyaji,H. and Itou,S.
TITLE NOVEL HUMAN INTERLEUKIN 2 POLYPEPTIDE DERIVATIVE
JOURNAL Patent: JP 1986225199-A 4 06-OCT-1986;
KYOWA HAKKO KOGYO CO LTD
OS Human {Homo sapiens}
PN JP 1986225199-A/4
PD 06-OCT-1986
PF 29-MAR-1985 JP 1985065599
PI MIYAJI HIROMASA, ITOU SEIGA
PC C07K13/00,C12N1/00,C12N15/00,C12P21/02,(C12N1/00,C12R1:19), PC
(C12P21/02,
PC C12R1:19);
CC strandedness: Double;
CC topology: Linear;
CC hypothetical: No;
CC anti-sense: No;
CC *source: tissue_type=Tonsil;
CC *source: clone=plasmid PHIGS-3;
FH Key Location/Qualifiers
FH mat_peptide 1..<15
FH /product='human IL-2 analogue, 1-5' FT
FH /partial
FT allele replace(3^4,'GCACCTACTTCAAGT') FT
/note='human IL-2'.
FEATURES
source Location/Qualifiers
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/organism="unidentified"
/mol_type="genomic DNA"
/db_xref="taxon:32644"
Query Match 8.3%; Score 10.8; DB 1; Length 15;
Best Local Similarity 85.7%; Pred. No. 94;
Matches 12; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
Qy 1427 TTCTATGCAGACAT 1440
|||||
Db 14 TTCTTTGTAGACAT 1
RESULT 159
I39066
LOCUS I39066 15 bp DNA linear PAT 13-MAY-1997
DEFINITION Sequence 104 from patent US 5616488.
ACCESSION I39066
VERSION I39066.1 GI:2083546
KEYWORDS
SOURCE Unknown.
ORGANISM Unknown.
REFERENCE 1 (bases 1 to 15)
AUTHORS Sullivan,S., Draper,K.G., McSwiggen,J. and Stinchcomb,D.T.
TITLE IL-5 targeted ribozymes
JOURNAL Patent: US 5616488-A 104 01-APR-1997;
FEATURES
source Location/Qualifiers
1..15
/organism="unknown"
/mol_type="unassigned DNA"
Query Match 8.3%; Score 10.8; DB 1; Length 15;
Best Local Similarity 85.7%; Pred. No. 94;
Matches 12; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
Qy 1357 AAATATTCACGCA 1370
|||||
Db 2 AAATATTCAGGCA 15
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RESULT 160
I39068
LOCUS I39068 15 bp DNA linear PAT 13-MAY-1997
DEFINITION Sequence 106 from patent US 5616488.
ACCESSION I39068
VERSION I39068.1 GI:2083548
KEYWORDS
SOURCE Unknown.
ORGANISM Unknown.
REFERENCE 1 (bases 1 to 15)
AUTHORS Sullivan,S., Draper,K.G., McSwiggen,J. and Stinchcomb,D.T.
TITLE IL-5 targeted ribozymes
JOURNAL Patent: US 5616488-A 106 01-APR-1997;
FEATURES
source Location/Qualifiers
1..15
/organism="unknown"
/mol_type="unassigned DNA"
Query Match 8.3%; Score 10.8; DB 1; Length 15;
Best Local Similarity 85.7%; Pred. No. 94;
Matches 12; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
Qy 1358 AATATTCACGCAT 1371
|||||
Db 1 AATATTCAGGCAT 14
RESULT 161
I39385/c
LOCUS I39385 15 bp DNA linear PAT 13-MAY-1997
DEFINITION Sequence 423 from patent US 5616488.
ACCESSION I39385
VERSION I39385.1 GI:2083865
KEYWORDS
SOURCE Unknown.
ORGANISM Unknown.
REFERENCE 1 (bases 1 to 15)
AUTHORS Sullivan,S., Draper,K.G., McSwiggen,J. and Stinchcomb,D.T.
TITLE IL-5 targeted ribozymes
JOURNAL Patent: US 5616488-A 423 01-APR-1997;
FEATURES
source Location/Qualifiers
1..15
/organism="unknown"
/mol_type="unassigned DNA"
Query Match 8.3%; Score 10.8; DB 1; Length 15;
Best Local Similarity 85.7%; Pred. No. 94;
Matches 12; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
Qy 1437 ACATATACATGGAA 1450
|||||
Db 15 AAATATAATGGAA 2
RESULT 162
AR180589
LOCUS AR180589 15 bp DNA linear PAT 20-APR-2002
DEFINITION Sequence 657 from patent US 6333152.
ACCESSION AR180589
VERSION AR180589.1 GI:20222622
KEYWORDS
SOURCE Unknown.
ORGANISM Unknown.
REFERENCE 1 (bases 1 to 15)
AUTHORS Vogelstein,B., Kinzler,K.W., Zhang,L. and Zhou,W.
TITLE Gene expression profiles in normal and cancer cells
JOURNAL Patent: US 6333152-A 657 25-DEC-2001;
FEATURES
source Location/Qualifiers
1..15
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/organism="unknown"
/mol_type="unassigned DNA"

Query Match      8.3%; Score 10.8; DB 1; Length 15;
Best Local Similarity 85.7%; Pred. No. 94;
Matches 12; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1346 CAGGGGAAGAAAAA 1359
Db 1 CATGGGAAAAAAA 14

RESULT 163
AR430299
LOCUS AR430299 15 bp DNA linear PAT 18-DEC-2003
DEFINITION Sequence 30 from patent US 6649340.
ACCESSION AR430299
VERSION AR430299.1 GI:40191068
KEYWORDS
SOURCE Unknown.
ORGANISM Unknown.
REFERENCE 1 (bases 1 to 15)
AUTHORS Crea,R.
TITLE Walk-through mutagenesis
JOURNAL Patent: US 6649340-A 30 18-NOV-2003;
FEATURES
source
1. .15
/organism="unknown"
/mol_type="genomic DNA"

Query Match      8.3%; Score 10.8; DB 1; Length 15;
Best Local Similarity 85.7%; Pred. No. 94;
Matches 12; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1436 GACATATACATGGA 1449
Db 1 GACTTCTACATGGA 14

RESULT 164
AX495997/c
LOCUS AX495997 15 bp DNA linear PAT 26-SEP-2002
DEFINITION Sequence 1762 from Patent WO02059256.
ACCESSION AX495997
VERSION AX495997.1 GI:23341607
KEYWORDS
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
REFERENCE 1
AUTHORS Tuijinder,M., Telerman,A., Amson,R. and Susini,L.
TITLE Sequences involved in phenomena of tumour suppression, tumour
reversion, apoptosis and/or virus resistance and their use as
medicines
JOURNAL Patent: WO 02059256-A 1762 01-AUG-2002;
MOLECULAR ENGINEERING LAB (FR)
FEATURES
source
1. .15
/organism="Homo sapiens"
/mol_type="unassigned DNA"
/db_xref="taxon:9606"

Query Match      8.3%; Score 10.8; DB 1; Length 15;
Best Local Similarity 85.7%; Pred. No. 94;
Matches 12; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1353 AGAAAAATATTCCA 1366
Db 15 AGGAAAAATTTCCTCA 2
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RESULT 165
AX572366
LOCUS AX572366 15 bp DNA linear PAT 29-NOV-2002
DEFINITION Sequence 406 from Patent WO02055741.
ACCESSION AX572366
VERSION AX572366.1 GI:26004456
KEYWORDS
SOURCE Human immunodeficiency virus
ORGANISM Human immunodeficiency virus
REFERENCE 1
AUTHORS de Smet,K. and Stuyver,L.
TITLE Method for detection of drug-induced mutations in the hiv reverse
transcriptase gene
JOURNAL Patent: WO 02055741-A 406 18-JUL-2002;
INNOGENETICS N.V. (BE)
FEATURES
source
1. .15
/organism="Human immunodeficiency virus"
/mol_type="unassigned DNA"
/db_xref="taxon:12721"

Query Match      8.3%; Score 10.8; DB 1; Length 15;
Best Local Similarity 85.7%; Pred. No. 94;
Matches 12; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1442 TACATGGAAGATGG 1455
Db 2 TACGTGGATGATGG 15

RESULT 166
AX587026/c
LOCUS AX587026 15 bp DNA linear PAT 10-JAN-2003
DEFINITION Sequence 48 from Patent WO02072883.
ACCESSION AX587026
VERSION AX587026.1 GI:27655901
KEYWORDS
SOURCE Capnocytophaga sputigena
ORGANISM Capnocytophaga sputigena
REFERENCE 1
AUTHORS Roetger,A.
TITLE Nucleotide carrier for diagnosing and treating oral diseases
JOURNAL Patent: WO 02072883-A 48 19-SEP-2002;
ROETGER, Antje (DE)
FEATURES
source
1. .15
/organism="Capnocytophaga sputigena"
/mol_type="unassigned DNA"
/db_xref="taxon:1019"

Query Match      8.3%; Score 10.8; DB 1; Length 15;
Best Local Similarity 85.7%; Pred. No. 94;
Matches 12; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1404 AAATTGTTAATGAT 1417
Db 15 AAATTGTTAGTAAT 2

RESULT 167
AX633243
LOCUS AX633243 15 bp RNA linear PAT 21-FEB-2003
DEFINITION Sequence 382 from Patent EP1260586.
ACCESSION AX633243
VERSION AX633243.1 GI:28468857
KEYWORDS
SOURCE unidentified
ORGANISM unidentified
unclassified.
```

REFERENCE 1
AUTHORS Stinchcomb,D.T., Dudycz,L.W., Chowrira,B., Grimm,S., Direnzo,A., Karpeisky,A., Draper,K.G., Kisich,K., Matulic-Adamic,J., Mcswiggen,J.A., Modak,A., Pavco,P., Beigelman,L., Sullivan,S.M., Sweedler,D., Thompson,J.D., Tracz,D., Usman,N., Wincott,F.E. and Woolf,T.
TITLE Method and reagent for inhibiting the expression of disease related genes
JOURNAL Patent: EP 1260586-A 382 27-NOV-2002;
RIBOZYME PHARMACEUTICALS, INC. (US)
FEATURES Location/Qualifiers
source 1. .15
/organism="unidentified"
/mol_type="unassigned RNA"
/db_xref="taxon:32644"
Query Match 8.3%; Score 10.8; DB 1; Length 15;
Best Local Similarity 85.7%; Pred. No. 94;
Matches 12; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
QY 1421 CAGTCGTTCTATGC 1434
Db 1 CAGTCGTTCTCTGC 14
RESULT 168
AX633499
LOCUS AX633499 15 bp RNA linear PAT 21-FEB-2003
DEFINITION Sequence 638 from Patent EP1260586.
ACCESSION AX633499
VERSION AX633499.1 GI:28469113
KEYWORDS .
SOURCE unidentified
ORGANISM unidentified
unclassified.
REFERENCE 1
AUTHORS Stinchcomb,D.T., Dudycz,L.W., Chowrira,B., Grimm,S., Direnzo,A., Karpeisky,A., Draper,K.G., Kisich,K., Matulic-Adamic,J., Mcswiggen,J.A., Modak,A., Pavco,P., Beigelman,L., Sullivan,S.M., Sweedler,D., Thompson,J.D., Tracz,D., Usman,N., Wincott,F.E. and Woolf,T.
TITLE Method and reagent for inhibiting the expression of disease related genes
JOURNAL Patent: EP 1260586-A 638 27-NOV-2002;
RIBOZYME PHARMACEUTICALS, INC. (US)
FEATURES Location/Qualifiers
source 1. .15
/organism="unidentified"
/mol_type="unassigned RNA"
/db_xref="taxon:32644"
Query Match 8.3%; Score 10.8; DB 1; Length 15;
Best Local Similarity 85.7%; Pred. No. 94;
Matches 12; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
QY 1421 CAGTCGTTCTATGC 1434
Db 1 CAGTCGTTCTCTGC 14
RESULT 169
AX635360
LOCUS AX635360 15 bp RNA linear PAT 21-FEB-2003
DEFINITION Sequence 2499 from Patent EP1260586.
ACCESSION AX635360
VERSION AX635360.1 GI:28470974
KEYWORDS .
SOURCE unidentified
ORGANISM unidentified
unclassified.
REFERENCE 1
AUTHORS Stinchcomb,D.T., Dudycz,L.W., Chowrira,B., Grimm,S., Direnzo,A., Karpeisky,A., Draper,K.G., Kisich,K., Matulic-Adamic,J.,

Mcswiggen,J.A., Modak,A., Pavco,P., Beigelman,L., Sullivan,S.M., Sweedler,D., Thompson,J.D., Tracz,D., Usman,N., Wincott,F.E. and Woolf,T.
TITLE Method and reagent for inhibiting the expression of disease related genes
JOURNAL Patent: EP 1260586-A 2499 27-NOV-2002;
RIBOZYME PHARMACEUTICALS, INC. (US)
FEATURES Location/Qualifiers
source 1. .15
/organism="unidentified"
/mol_type="unassigned RNA"
/db_xref="taxon:32644"
Query Match 8.3%; Score 10.8; DB 1; Length 15;
Best Local Similarity 85.7%; Pred. No. 94;
Matches 12; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
QY 1357 AAATATTCACGCA 1370
Db 2 AAATATTCAGGCA 15
RESULT 170
AX635364
LOCUS AX635364 15 bp RNA linear PAT 21-FEB-2003
DEFINITION Sequence 2503 from Patent EP1260586.
ACCESSION AX635364
VERSION AX635364.1 GI:28470978
KEYWORDS .
SOURCE unidentified
ORGANISM unidentified
unclassified.
REFERENCE 1
AUTHORS Stinchcomb,D.T., Dudycz,L.W., Chowrira,B., Grimm,S., Direnzo,A., Karpeisky,A., Draper,K.G., Kisich,K., Matulic-Adamic,J., Mcswiggen,J.A., Modak,A., Pavco,P., Beigelman,L., Sullivan,S.M., Sweedler,D., Thompson,J.D., Tracz,D., Usman,N., Wincott,F.E. and Woolf,T.
TITLE Method and reagent for inhibiting the expression of disease related genes
JOURNAL Patent: EP 1260586-A 2503 27-NOV-2002;
RIBOZYME PHARMACEUTICALS, INC. (US)
FEATURES Location/Qualifiers
source 1. .15
/organism="unidentified"
/mol_type="unassigned RNA"
/db_xref="taxon:32644"
Query Match 8.3%; Score 10.8; DB 1; Length 15;
Best Local Similarity 85.7%; Pred. No. 94;
Matches 12; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
QY 1358 AAATATTCACGCA 1371
Db 1 AAATATTCAGGCA 14
RESULT 171
AX635654/c
LOCUS AX635654 15 bp RNA linear PAT 21-FEB-2003
DEFINITION Sequence 2793 from Patent EP1260586.
ACCESSION AX635654
VERSION AX635654.1 GI:28471268
KEYWORDS .
SOURCE unidentified
ORGANISM unidentified
unclassified.
REFERENCE 1
AUTHORS Stinchcomb,D.T., Dudycz,L.W., Chowrira,B., Grimm,S., Direnzo,A., Karpeisky,A., Draper,K.G., Kisich,K., Matulic-Adamic,J., Mcswiggen,J.A., Modak,A., Pavco,P., Beigelman,L., Sullivan,S.M., Sweedler,D., Thompson,J.D., Tracz,D., Usman,N., Wincott,F.E. and Woolf,T.

TITLE Method and reagent for inhibiting the expression of disease related
JOURNAL Genes
Patent: EP 1260586-A 2793 27-NOV-2002;
RIBOZYME PHARMACEUTICALS, INC. (US)
FEATURES Location/Qualifiers
source 1..15
/organism="unidentified"
/mol_type="unassigned RNA"
/db_xref="taxon:32644"
Query Match 8.3%; Score 10.8; DB 1; Length 15;
Best Local Similarity 85.7%; Pred. No. 94;
Matches 12; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1437 ACATATACATGGAA 1450
Db 15 AAATATAAATGGAA 2

RESULT 172
BD141513
LOCUS
DEFINITION Method for production of recombinant protein.
ACCESSION BD141513
VERSION BD141513.1 GI:23236458
KEYWORDS WO 0208417-A/41.
SOURCE synthetic construct
ORGANISM artificial sequences.
REFERENCE 1 (bases 1 to 15)
AUTHORS Ito,T., Tanaka,Y. and Kondo,M.
TITLE Method for production of recombinant protein
JOURNAL Patent: WO 0208417-A 41 31-JAN-2002;
TAKEDA CHEMICAL INDUSTRIES LTD,TAKASHI ITO,YOKO TANAKA, MITSUYO KONDO
COMMENT OS Artificial Sequence
PN WO 0208417-A/41
PD 31-JAN-2002
PF 25-JUL-2001 WO 2001JP006392
PR 25-JUL-2000 JP 00P 229064
PI TAKASHI ITO,YOKO TANAKA,MITSUYO KONDO
PC C12N15/10,C12N1/21,C12P21/02,C12Q1/02
CC Synthetic DNA
FH Key Location/Qualifiers
FT source 1..15
FT /organism='Artificial Sequence'.
FEATURES
source 1..15
/organism="synthetic construct"
/mol_type="genomic DNA"
/db_xref="taxon:32630"

Query Match 8.3%; Score 10.8; DB 1; Length 15;
Best Local Similarity 85.7%; Pred. No. 94;
Matches 12; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1357 AAATATTCACGCA 1370
Db 2 ACAGATTCACGCA 15

RESULT 173
BD176009
LOCUS
DEFINITION Method for production of recombinant protein.
ACCESSION BD176009
VERSION BD176009.1 GI:29121713
KEYWORDS JP 2002272481-A/41.
SOURCE synthetic construct
ORGANISM synthetic construct
artificial sequences.
REFERENCE 1 (bases 1 to 15)
AUTHORS Ito,T., Tanaka,Y. and Kondo,M.

TITLE Method for production of recombinant protein
JOURNAL Patent: JP 2002272481-A 41 24-SEP-2002;
TAKEDA CHEMICAL INDUSTRIES LTD
COMMENT OS Artificial Sequence
PN JP 2002272481-A/41
PD 24-SEP-2002
PF 25-JUL-2001 JP 2001224117
PI TAKASHI ITO,YOKO TANAKA,MITSUYO KONDO
PC C12N15/09,C12N1/15,C12N1/19,C12N5/10,C12P21/02// PC
A61K38/00,
PC A61P43/00,(C12P21/02,C12R1:01),C12N15/00,C12N5/00,A61K37/02 CC
Synthetic DNA
FH Key Location/Qualifiers
FT source 1..15
FT /organism='Artificial Sequence'.
FEATURES
source 1..15
/organism="synthetic construct"
/mol_type="genomic DNA"
/db_xref="taxon:32630"

Query Match 8.3%; Score 10.8; DB 1; Length 15;
Best Local Similarity 85.7%; Pred. No. 94;
Matches 12; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1357 AAATATTCACGCA 1370
Db 2 ACAGATTCACGCA 15

RESULT 174
BD208458/c
LOCUS
DEFINITION Enzymatic nucleic acid treatment of diseases or conditions related to hepatitis C virus infection.
ACCESSION BD208458
VERSION BD208458.1 GI:33018228
KEYWORDS JP 2002512791-A/2048.
SOURCE unidentified
ORGANISM unclassified.
REFERENCE 1 (bases 1 to 15)
AUTHORS Blatt,L., Mcswiggen,J.A., Roberts,E., Pavco,P.A. and Macejak,D.
TITLE Enzymatic nucleic acid treatment of diseases or conditions related to hepatitis C virus infection
JOURNAL Patent: JP 2002512791-A 2048 08-MAY-2002;
RIBOZYME PHARMACEUTICALS INC
COMMENT OS Hepatitis virus (hepatitis C virus)
PN JP 2002512791-A/2048
PD 08-MAY-2002
PF 26-APR-1999 JP 2000545991
PR 27-APR-1998 US 60/083217,18-SEP-1998 US 60/100842 PR
25-FEB-1999 US 09/257608,23-MAR-1999 US 09/274553 PI
LAWRENCE BLATT,JAMES A MCSWIGGEN,ELISABETH ROBERTS,PAMELA A PI
PAVCO,
PI DENNIS MACEJAK
PC C12N9/00,A61K31/7105,A61K38/21,A61K48/00,A61P31/12,C12N15/09,
PC A61K37/66,
PC C12N15/00
CC Enzymatic nucleic acid treatment of diseases or conditions related to hepatitis C virus infection.
FH Key Location/Qualifiers
FT source 1..15
FT /organism='Hepatitis virus (hepatitis C virus)'.
FEATURES
source 1..15
/organism="unidentified"
/mol_type="genomic RNA"
/db_xref="taxon:32644"

Query Match 8.3%; Score 10.8; DB 1; Length 15;

Best Local Similarity 85.7%; Pred. No. 94;
Matches 12; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1346 CAGGGGAAGAAAA 1359
|||||
Db 14 CAGGAGAAGAAAA 1

RESULT 175
AX294122/c
LOCUS AX294122 linear PAT 21-NOV-2001
DEFINITION Sequence 5884 from Patent WO0179548.
ACCESSION AX294122
VERSION AX294122.1 GI:17055805

SOURCE . synthetic construct
ORGANISM synthetic construct
artificial sequences.

REFERENCE 1
AUTHORS Barany,F., Zirvi,M., Gerry,N.P., Favis,R. and Kliman,R.
TITLE Method of designing addressable array for detection of nucleic acid
sequence differences using ligase detection reaction
JOURNAL Patent: WO 0179548-A 5884 25-OCT-2001;
CORNELL RESEARCH FOUNDATION, INC. (US)

FEATURES
source
1..20
/organism="synthetic construct"
/mol_type="unassigned DNA"
/db_xref="taxon:32630"
/note="Hypothetical Probe Sequence"

Query Match 8.3%; Score 10.8; DB 1; Length 20;
Best Local Similarity 85.7%; Pred. No. 1.2e+02;
Matches 12; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1374 CGAGCGATCGTCTT 1387
|||||
Db 20 CGATCGATCGTGT 7

RESULT 176
AX512687
LOCUS AX512687 15 bp DNA linear PAT 03-OCT-2002
DEFINITION Sequence 14 from Patent WO02063044.
ACCESSION AX512687

VERSION AX512687.1 GI:23503905

KEYWORDS .
SOURCE Homo sapiens (human)

ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE 1
AUTHORS Anastasio,A.E., Chew,A., Denton,R.R., Nandabalan,K., Stephens,J.C.
and Tirrell,C.

TITLE Haplotypes of the il15 gene
JOURNAL Patent: WO 02063044-A 14 15-AUG-2002;
Genaissance Pharmaceuticals, Inc. (US)

FEATURES
source
1..15
Location/Qualifiers
1..15
/organism="Homo sapiens"
/mol_type="unassigned DNA"
/db_xref="taxon:9606"

Query Match 8.2%; Score 10.6; DB 1; Length 15;
Best Local Similarity 90.9%; Pred. No. 1e+02;
Matches 10; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1351 GAAGAAAAATA 1361
|||||
Db 5 GAARAAAAATA 15

RESULT 177

A04329
LOCUS A04329 linear PAT 15-APR-1993
DEFINITION Oligonucleotide.
ACCESSION A04329
VERSION A04329.1 GI:344874
KEYWORDS . synthetic construct
SOURCE synthetic construct
ORGANISM synthetic construct
artificial sequences.

REFERENCE 1 (bases 1 to 12)
AUTHORS .
JOURNAL Patent: WO 8300346-A 5 03-FEB-1983;
FEATURES Location/Qualifiers
1..12
source
/organism="synthetic construct"
/mol_type="unassigned DNA"
/db_xref="taxon:32630"

Query Match 8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 95;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1455 GGTGTGATCAAGC 1466
|||||
Db 1 GGTGTGATCAACC 12

RESULT 178
A04329/c
LOCUS A04329 linear PAT 15-APR-1993
DEFINITION Oligonucleotide.
ACCESSION A04329
VERSION A04329.1 GI:344874
KEYWORDS . synthetic construct
SOURCE synthetic construct
ORGANISM synthetic construct
artificial sequences.

REFERENCE 1 (bases 1 to 12)
AUTHORS .
JOURNAL Patent: WO 8300346-A 5 03-FEB-1983;
FEATURES Location/Qualifiers
1..12
source
/organism="synthetic construct"
/mol_type="unassigned DNA"
/db_xref="taxon:32630"

Query Match 8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 95;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1455 GGTGTGATCAAGC 1466
|||||
Db 12 GGTGTGATCAACC 1

RESULT 179
A04330
LOCUS A04330 linear PAT 15-APR-1993
DEFINITION Oligonucleotide, reverse complement.
ACCESSION A04330
VERSION A04330.1 GI:344875

KEYWORDS . synthetic construct
SOURCE synthetic construct
ORGANISM synthetic construct
artificial sequences.

REFERENCE 1 (bases 1 to 12)
AUTHORS .
JOURNAL Patent: WO 8300346-A 6 03-FEB-1983;
FEATURES Location/Qualifiers
1..12
source
/organism="synthetic construct"
/mol_type="unassigned DNA"
/db_xref="taxon:32630"

Query Match 8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 95;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1455 GGTGATCAAGC 1466
| | | | | | | | | |
Db 1 GGTGATCAACC 12

RESULT 180
A04330/c
LOCUS A04330 12 bp DNA linear PAT 15-APR-1993
DEFINITION Oligonucleotide, reverse complement.
ACCESSION A04330
VERSION A04330.1 GI:344875
KEYWORDS
SOURCE synthetic construct
ORGANISM synthetic construct
artificial sequences.
REFERENCE 1 (bases 1 to 12)
AUTHORS
JOURNAL
FEATURES
source
Patent: WO 8300346-A 6 03-FEB-1983;
Location/Qualifiers
1. .12
/organism="synthetic construct"
/mol_type="unassigned DNA"
/db_xref="taxon:32630"

Query Match 8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 95;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1455 GGTGATCAAGC 1466
| | | | | | | | | |
Db 12 GGTGATCAACC 1

RESULT 181
A04336
LOCUS A04336 12 bp DNA linear PAT 15-APR-1993
DEFINITION Nucleotide sequence 13 from patent number WO8300346.
ACCESSION A04336
VERSION A04336.1 GI:344881
KEYWORDS
SOURCE synthetic construct
ORGANISM synthetic construct
artificial sequences.
REFERENCE 1 (bases 1 to 12)
AUTHORS
JOURNAL
FEATURES
source
Patent: WO 8300346-A 13 03-FEB-1983;
Location/Qualifiers
1. .12
/organism="synthetic construct"
/mol_type="unassigned DNA"
/db_xref="taxon:32630"

Query Match 8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 95;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1455 GGTGATCAAGC 1466
| | | | | | | | | |
Db 1 GGTGATCAAC 12

RESULT 182
A04490
LOCUS A04490 12 bp DNA linear PAT 15-JUL-1993
DEFINITION Oligonucleotide B.
ACCESSION A04490
VERSION A04490.1 GI:410987
KEYWORDS

SOURCE synthetic construct
ORGANISM synthetic construct
artificial sequences.
REFERENCE 1 (bases 1 to 12)
AUTHORS
TITLE VECTOR
JOURNAL
FEATURES
source
Patent: WO 8400380-A 4 02-FEB-1984;
Location/Qualifiers
1. .12
/organism="synthetic construct"
/mol_type="unassigned DNA"
/db_xref="taxon:32630"

Query Match 8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 95;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1455 GGTGATCAAGC 1466
| | | | | | | | | |
Db 1 GGTGATCAACC 12

RESULT 183
A04490/c
LOCUS A04490 12 bp DNA linear PAT 15-JUL-1993
DEFINITION Oligonucleotide B.
ACCESSION A04490
VERSION A04490.1 GI:410987
KEYWORDS
SOURCE synthetic construct
ORGANISM synthetic construct
artificial sequences.
REFERENCE 1 (bases 1 to 12)
AUTHORS
TITLE VECTOR
JOURNAL
FEATURES
source
Patent: WO 8400380-A 4 02-FEB-1984;
Location/Qualifiers
1. .12
/organism="synthetic construct"
/mol_type="unassigned DNA"
/db_xref="taxon:32630"

Query Match 8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 95;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1455 GGTGATCAAGC 1466
| | | | | | | | | |
Db 12 GGTGATCAACC 1

RESULT 184
A04491
LOCUS A04491 12 bp DNA linear PAT 15-JUL-1993
DEFINITION Oligonucleotide B, reverse complement.
ACCESSION A04491
VERSION A04491.1 GI:410988
KEYWORDS
SOURCE synthetic construct
ORGANISM synthetic construct
artificial sequences.
REFERENCE 1 (bases 1 to 12)
AUTHORS
TITLE VECTOR
JOURNAL
FEATURES
source
Patent: WO 8400380-A 5 02-FEB-1984;
Location/Qualifiers
1. .12
/organism="synthetic construct"
/mol_type="unassigned DNA"
/db_xref="taxon:32630"

Query Match 8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 95;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1455 GGTGATCAAGC 1466
| | | | | | | | | |
Db 12 GGTGATCAACC 1

Query Match 8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 95;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1455 GGTGATCAAGC 1466
| | | | | | | | | |
Db 1 GGTGATCAACC 12

Query Match 8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 95;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1455 GGTTGATCAAGC 1466
| | | | | | | | | |
Db 1 GGTTGATCAACC 12

RESULT 185
A04491/c
LOCUS A04491 12 bp DNA linear PAT 15-JUL-1993
DEFINITION Oligonucleotide B, reverse complement.
ACCESSION A04491
VERSION A04491.1 GI:410988
KEYWORDS
SOURCE synthetic construct
ORGANISM synthetic construct
artificial sequences.
REFERENCE 1 (bases 1 to 12)
AUTHORS
TITLE VECTOR
JOURNAL Patent: WO 8400380-A 5 02-FEB-1984;
FEATURES Location/Qualifiers
source
1. .12
/organism="synthetic construct"
/mol_type="unassigned DNA"
/db_xref="taxon:32630"

Query Match 8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 95;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1455 GGTTGATCAAGC 1466
| | | | | | | | | |
Db 12 GGTTGATCAACC 1

RESULT 186
A11947
LOCUS A11947 12 bp DNA linear PAT 22-DEC-1993
DEFINITION Synthetic oligonucleotide B from patent EP0070675.
ACCESSION A11947
VERSION A11947.1 GI:489425
KEYWORDS
SOURCE synthetic construct
ORGANISM synthetic construct
artificial sequences.
REFERENCE 1 (bases 1 to 12)
AUTHORS Craig,R.K. and MacIntyre,J.
TITLE Human calcitonin precursor polypeptide structural gene
JOURNAL Patent: EP 0070675-A 3 26-JAN-1983;
FEATURES Location/Qualifiers
source
1. .12
/organism="synthetic construct"
/mol_type="unassigned DNA"
/db_xref="taxon:32630"

Query Match 8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 95;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1455 GGTTGATCAAGC 1466
| | | | | | | | | |
Db 12 GGTTGATCAACC 1

RESULT 187
A11947/c
LOCUS A11947 12 bp DNA linear PAT 22-DEC-1993
DEFINITION Synthetic oligonucleotide B from patent EP0070675.
ACCESSION A11947
VERSION A11947.1 GI:489425
KEYWORDS

SOURCE synthetic construct
ORGANISM synthetic construct
artificial sequences.
REFERENCE 1 (bases 1 to 12)
AUTHORS Craig,R.K. and MacIntyre,J.
TITLE Human calcitonin precursor polypeptide structural gene
JOURNAL Patent: EP 0070675-A 3 26-JAN-1983;
FEATURES Location/Qualifiers
source
1. .12
/organism="synthetic construct"
/mol_type="unassigned DNA"
/db_xref="taxon:32630"

Query Match 8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 95;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1455 GGTTGATCAAGC 1466
| | | | | | | | | |
Db 12 GGTTGATCAACC 1

RESULT 188
A11948
LOCUS A11948 12 bp DNA linear PAT 22-DEC-1993
DEFINITION Synthetic oligonucleotide B from patent EP0070675.
ACCESSION A11948
VERSION A11948.1 GI:489426
KEYWORDS
SOURCE synthetic construct
ORGANISM synthetic construct
artificial sequences.
REFERENCE 1 (bases 1 to 12)
AUTHORS Craig,R.K. and MacIntyre,J.
TITLE Human calcitonin precursor polypeptide structural gene
JOURNAL Patent: EP 0070675-A 4 26-JAN-1983;
FEATURES Location/Qualifiers
source
1. .12
/organism="synthetic construct"
/mol_type="unassigned DNA"
/db_xref="taxon:32630"

Query Match 8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 95;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1455 GGTTGATCAAGC 1466
| | | | | | | | | |
Db 1 GGTTGATCAACC 12

RESULT 189
A11948/c
LOCUS A11948 12 bp DNA linear PAT 22-DEC-1993
DEFINITION Synthetic oligonucleotide B from patent EP0070675.
ACCESSION A11948
VERSION A11948.1 GI:489426
KEYWORDS
SOURCE synthetic construct
ORGANISM synthetic construct
artificial sequences.
REFERENCE 1 (bases 1 to 12)
AUTHORS Craig,R.K. and MacIntyre,J.
TITLE Human calcitonin precursor polypeptide structural gene
JOURNAL Patent: EP 0070675-A 4 26-JAN-1983;
FEATURES Location/Qualifiers
source
1. .12
/organism="synthetic construct"
/mol_type="unassigned DNA"
/db_xref="taxon:32630"

Query Match 8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 95;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1455 GGTGATCAAGC 1466
Db 12 GGTGATCAACC 1

RESULT 190
AR030001/c
LOCUS AR030001 linear PAT 29-SEP-1999
DEFINITION Sequence 190 from patent US 5861244.
ACCESSION AR030001
VERSION AR030001.1 GI:5943215
KEYWORDS
SOURCE Unknown.
ORGANISM Unknown.
REFERENCE 1 (bases 1 to 12)
AUTHORS Wang, C.-G. and Hepburn, A.G.
TITLE Genetic sequence assay using DNA triple strand formation
JOURNAL Patent: US 5861244-A 190 19-JAN-1999;
FEATURES
source
1. .12
/organism="unknown"
/mol_type="unassigned DNA"

Query Match 8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 95;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1348 GGGGAAGAAAA 1359
Db 12 GGGCAGAAAA 1

RESULT 191
AR129437
LOCUS AR129437 linear PAT 16-MAY-2001
DEFINITION Sequence 9 from patent US 6187533.
ACCESSION AR129437
VERSION AR129437.1 GI:14117334
KEYWORDS
SOURCE Unknown.
ORGANISM Unknown.
REFERENCE 1 (bases 1 to 13)
AUTHORS Bell, G.I., Yamagata, K., Oda, N., Kaisaki, P.J., Furuta, H.,
Horikawa, Y. and Menzel, S.
TITLE Mutations in the diabetes susceptibility genes hepatocyte nuclear
factor (HNF) 1 alpha (.alpha.), HNF1.beta. and HNF4.alpha
JOURNAL Patent: US 6187533-A 9 13-FEB-2001;
FEATURES
source
1. .13
/organism="unknown"
/mol_type="unassigned DNA"

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 1e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1409 GTTAATGATGACC 1421
Db 1 GTTAATNATTACC 13

RESULT 192
AJ598136
LOCUS AJ598136 linear PLN 23-OCT-2003
DEFINITION Arabidopsis thaliana T-DNA flanking sequence, left border, clone
462D11.

ACCESSION AJ598136
VERSION AJ598136.1 GI:37947764
KEYWORDS left border; T-DNA flanking sequence.
SOURCE Arabidopsis thaliana (thale cress)
ORGANISM Arabidopsis thaliana
Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
Spermatophyta; Magnoliophyta; eudicotyledons; core eudicots;
rosids; eurosids II; Brassicales; Brassicaceae; Arabidopsi
1
REFERENCE
AUTHORS Brunaud, V., Balzergue, S., Dubreucq, B., Aubourg, S., Samson, F.,
Chauvin, S., Bechtold, N., Cruaud, C., DeRose, R., Pelletier, G.,
Lepiniec, L., Caboche, M. and Lecharny, A.
TITLE T-DNA integration into the Arabidopsis genome depends on sequences
of pre-insertion sites
JOURNAL EMBO Rep. 3 (12), 1152-1157 (2002)
MEDLINE 22363535
PUBMED 12446565
REFERENCE 2 (bases 1 to 13)
AUTHORS Balzergue, S.
TITLE Direct Submission
JOURNAL Submitted (23-OCT-2003) Balzergue S., UMRGV, INRA/CNRS, 2 rue
Gaston Cremieux, 91057 Evry cedex, FRANCE
COMMENT PCR was performed on DNA from transformants of Arabidopsis thaliana
plants from INRA (Versailles). The DNA fragment(s) resulting from
the PCR were directly sequenced from the left or the right border
to determine the genomic sequence flanking the insertion. T-DNA
derived sequences were removed. Information to order the
corresponding mutant line and a link to a database providing a
graphical display of the insertion site are available at
http://dbsgap.versailles.inra.fr/publiclines/. This sequence has
been generated in the framework of the French plant genomics
program 'Genoplante' (http://www.genoplante.com and
http://genoplante-info.infobiogen.fr).

FEATURES
source
1. .13
/organism="Arabidopsis thaliana"
/mol_type="genomic DNA"
/cultivar="Wassillewskija"
/db_xref="taxon:3702"
/clone="462D11"
/clone_lib="Arabidopsis thaliana T-DNA insertion lines"
misc_feature 1. .13
/note="T-DNA flanking sequence
left border"

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 1e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1397 GGAGGTAAATT 1408
Db 12 GGAGGTAAATAAT 1

RESULT 193
I09291/c
LOCUS I09291 14 bp DNA linear PAT 02-DEC-1994
DEFINITION Sequence 4 from Patent WO 8902471.
ACCESSION I09291
VERSION I09291.1 GI:587997
KEYWORDS
SOURCE Unknown.
ORGANISM Unknown.
REFERENCE 1 (bases 1 to 14)
AUTHORS Talmadge, K.D. and Hilliker, S.
TITLE RECOMBINANT DNA CONSTRUCTS CONTAINING AN r3 PROMOTER
JOURNAL Patent: WO 8902471-A 4 23-MAR-1989;
FEATURES
source
1. .14
/organism="unknown"
/mol_type="unassigned DNA"

Query Match 8.0%; Score 10.4; DB 1; Length 14;
Best Local Similarity 91.7%; Pred. No. 1.1e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1403 AAAATTGTTAAT 1414
|||||
Db 13 AAAATTTTAAAT 2

RESULT 194
AR030090
LOCUS AR030090 10 bp DNA linear PAT 29-SEP-1999
DEFINITION Sequence 279 from patent US 5861244.
ACCESSION AR030090
VERSION AR030090.1 GI:5943304
KEYWORDS
SOURCE Unknown.
ORGANISM Unknown.
Unclassified.

REFERENCE 1 (bases 1 to 10)
AUTHORS Wang,C.-G. and Hepburn,A.G.
TITLE Genetic sequence assay using DNA triple strand formation
JOURNAL Patent: US 5861244-A 279 19-JAN-1999;
FEATURES Location/Qualifiers
source 1..10
/organism="unknown"
/mol_type="unassigned DNA"

Query Match 7.7%; Score 10; DB 1; Length 10;
Best Local Similarity 100.0%; Pred. No. 1e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1348 GGGGAAGAAA 1357
|||||
Db 1 GGGGAAGAAA 10

RESULT 195
BD239117/c
LOCUS BD239117 10 bp DNA linear PAT 17-JUL-2003
DEFINITION Preparation and use of superior vaccines.
ACCESSION BD239117
VERSION BD239117.1 GI:33048887
KEYWORDS JP 2002534056-A/535.
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens

REFERENCE
AUTHORS Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
TITLE Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
JOURNAL 1 (bases 1 to 10)
Preparation and use of superior vaccines
Patent: JP 2002534056-A 535 15-OCT-2002;

COMMENT
OS Homo sapiens (human)
PN JP 2002534056-A/535
PD 15-OCT-2002
PF 18-JUN-1999 JP 2000554749
PR 19-JUN-1998 US 60/090039,19-JUN-1998 US 60/090040 PR
19-JUN-1998 US 60/090041,19-JUN-1998 US 60/089853 PR
19-JUN-1998 US 60/089997,19-JUN-1998 US 60/090079 PR
19-JUN-1998 US 60/090035,19-JUN-1998 US 60/089993 PR
19-JUN-1998 US 60/089992,19-JUN-1998 US 60/090072 PR
19-JUN-1998 US 60/089878,19-JUN-1998 US 60/089991 PR
19-JUN-1998 US 60/090000,19-JUN-1998 US 60/090048 PR
19-JUN-1998 US 60/089999,19-JUN-1998 US 60/090043 PR
19-JUN-1998 US 60/090042,19-JUN-1998 US 60/090036 PR
19-JUN-1998 US 60/090044,19-JUN-1998 US 60/089844 PR
19-JUN-1998 US 60/090080,19-JUN-1998 US 60/089833 PR
19-JUN-1998 US 60/089994,19-JUN-1998 US 60/090077 PR
19-JUN-1998 US 60/090078,19-JUN-1998 US 60/090047 PR
08-DEC-1998 US 60/111715
PI BRUCE L ROBERTS,SRINIVAS SHANKARA

PC C12N15/09,C12N15/09,A61K39/00,A61P35/00,A61P37/04,C12N1/15, PC
C12N1/19,
PC C12N1/21,C12N5/10,G01N33/15,G01N33/50,G01N33/53,G01N33/566, PC
G01N37/00,
PC C12N15/00,C12N5/00,C12N15/00
CC Preparation and use of superior vaccines
FH Key Location/Qualifiers
FT source 1..10
FT /organism='Homo sapiens (human)'.
FEATURES Location/Qualifiers
source 1..10
/organism="Homo sapiens"
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Query Match 7.7%; Score 10; DB 1; Length 10;
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Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1395 AAGGAGGTAA 1404
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Db 10 AAGGAGGTAA 1

RESULT 196
BD239374/c
LOCUS BD239374 10 bp DNA linear PAT 17-JUL-2003
DEFINITION Preparation and use of superior vaccines.
ACCESSION BD239374
VERSION BD239374.1 GI:33049144
KEYWORDS JP 2002534056-A/792.
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens

REFERENCE
AUTHORS Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
TITLE Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
JOURNAL 1 (bases 1 to 10)
Preparation and use of superior vaccines
Patent: JP 2002534056-A 792 15-OCT-2002;

COMMENT
OS Homo sapiens (human)
PN JP 2002534056-A/792
PD 15-OCT-2002
PF 18-JUN-1999 JP 2000554749
PR 19-JUN-1998 US 60/090039,19-JUN-1998 US 60/090040 PR
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19-JUN-1998 US 60/090080,19-JUN-1998 US 60/089833 PR
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19-JUN-1998 US 60/090078,19-JUN-1998 US 60/090047 PR
08-DEC-1998 US 60/111715
PI BRUCE L ROBERTS,SRINIVAS SHANKARA

PC C12N15/09,C12N15/09,A61K39/00,A61P35/00,A61P37/04,C12N1/15, PC
C12N1/19,
PC C12N1/21,C12N5/10,G01N33/15,G01N33/50,G01N33/53,G01N33/566, PC
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ACCESSION	BD240027																																	
VERSION	BD240027.1	GI:33049797																																
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REFERENCE	Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;																																	
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QY	1428	TCTATGCAGA 1437																																
Db	10	TCTATGCAGA 1																																
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source 1. .11
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Query Match 7.7%; Score 10; DB 1; Length 11;
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Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1347 AGGGAAGAA 1356
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Db 11 AGGGAAGAA 2

RESULT 201
AR029943/c
LOCUS AR029943 11 bp DNA linear PAT 29-SEP-1999
DEFINITION Sequence 132 from patent US 5861244.
ACCESSION AR029943
VERSION AR029943.1 GI:5943157
KEYWORDS
SOURCE Unknown.
ORGANISM Unclassified.
REFERENCE 1 (bases 1 to 11)
AUTHORS Wang, C.-G. and Hepburn, A.G.
TITLE Genetic sequence assay using DNA triple strand formation
JOURNAL Patent: US 5861244-A 132 19-JAN-1999;
FEATURES Location/Qualifiers
source 1. .11
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Query Match 7.7%; Score 10; DB 1; Length 11;
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QY 1347 AGGGAAGAA 1356
|||||
Db 11 AGGGAAGAA 2

RESULT 202
I03710
LOCUS I03710 11 bp DNA linear PAT 02-DEC-1994
DEFINITION Sequence 1 from Patent EP 0084796.
ACCESSION I03710
VERSION I03710.1 GI:591969
KEYWORDS
SOURCE Unknown.
ORGANISM Unknown.
REFERENCE 1 (bases 1 to 11)
AUTHORS Erlich, H.A.
TITLE HLA typing method and cDNA probes used therein
JOURNAL Patent: EP 0084796-A2 1 03-AUG-1983;
FEATURES Location/Qualifiers
source 1. .11
/organism="unknown"
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Query Match 7.7%; Score 10; DB 1; Length 11;
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Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1399 AGGTAAATT 1408
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Db 1 AGGTAAATT 10

RESULT 203
AX472076/c
LOCUS AX472076 11 bp DNA linear PAT 09-AUG-2002
DEFINITION Sequence 67 from Patent WO02053775.
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ACCESSION AX472076
VERSION AX472076.1 GI:22207117
KEYWORDS
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE 1
AUTHORS Hustert, E., Haberl, M. and Wojnowski, L.
TITLE Identification of the genetic determinants of the polymorphic
cyp3a5 expression
JOURNAL Patent: WO 02053775-A 67 11-JUL-2002;
EPIDAUROS BIOTECHNOLOGIE AG (DE)
FEATURES Location/Qualifiers
source 1. .11
/organism="Homo sapiens"
/mol_type="unassigned DNA"
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Query Match 7.7%; Score 10; DB 1; Length 11;
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Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1440 TATACATGGA 1449
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Db 11 TATACATGGA 2

RESULT 204
AX623194
LOCUS AX623194 11 bp DNA linear PAT 21-FEB-2003
DEFINITION Sequence 235 from Patent WO02053774.
ACCESSION AX623194
VERSION AX623194.1 GI:28451135
KEYWORDS
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE 1
AUTHORS Petersohn, D., Conrad, M. and Hofmann, K.
TITLE Method for determining homeostasis of the skin
JOURNAL Patent: WO 02053774-A 235 11-JUL-2002;
Henkel Kommanditgesellschaft auf Aktien (DE)
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source 1. .11
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Query Match 7.7%; Score 10; DB 1; Length 11;
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Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1403 AAAATTGTTA 1412
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Db 1 AAAATTGTTA 10

RESULT 205
AX623355/c
LOCUS AX623355 11 bp DNA linear PAT 21-FEB-2003
DEFINITION Sequence 396 from Patent WO02053774.
ACCESSION AX623355
VERSION AX623355.1 GI:28451296
KEYWORDS
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE 1
AUTHORS Petersohn, D., Conrad, M. and Hofmann, K.
TITLE Method for determining homeostasis of the skin
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JOURNAL Patent: WO 02053774-A 396 11-JUL-2002;
Henkel Kommanditgesellschaft auf Aktien (DE)
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QY 1407 TTGTTAATGA 1416
Db 10 TTGTTAATGA 1
RESULT 206
AX625781
LOCUS AX625781 11 bp DNA linear PAT 21-FEB-2003
DEFINITION Sequence 2822 from Patent WO02053774.
ACCESSION AX625781
VERSION AX625781.1 GI:28453722
KEYWORDS
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE 1
AUTHORS Petersohn,D., Conradt,M. and Hofmann,K.
TITLE Method for determining homeostasis of the skin
JOURNAL Patent: WO 02053774-A 2822 11-JUL-2002;
Henkel Kommanditgesellschaft auf Aktien (DE)
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QY 1356 AAAATATTCC 1365
Db 2 AAAATATTCC 11
RESULT 207
AX629508/c
LOCUS AX629508 11 bp DNA linear PAT 21-FEB-2003
DEFINITION Sequence 6549 from Patent WO02053774.
ACCESSION AX629508
VERSION AX629508.1 GI:28457546
KEYWORDS
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE 1
AUTHORS Petersohn,D., Conradt,M. and Hofmann,K.
TITLE Method for determining homeostasis of the skin
JOURNAL Patent: WO 02053774-A 6549 11-JUL-2002;
Henkel Kommanditgesellschaft auf Aktien (DE)
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Best Local Similarity 100.0%; Pred. No. 1.1e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1395 AAGGAGGTAA 1404
Db 10 AAGGAGGTAA 1
RESULT 208
AX629772/c
LOCUS AX629772 11 bp DNA linear PAT 21-FEB-2003
DEFINITION Sequence 6813 from Patent WO02053774.
ACCESSION AX629772
VERSION AX629772.1 GI:28457810
KEYWORDS
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE 1
AUTHORS Petersohn,D., Conradt,M. and Hofmann,K.
TITLE Method for determining homeostasis of the skin
JOURNAL Patent: WO 02053774-A 6813 11-JUL-2002;
Henkel Kommanditgesellschaft auf Aktien (DE)
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Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1388 CTGATCAAAG 1397
Db 10 CTGATCAAAG 1
RESULT 209
AX630615
LOCUS AX630615 11 bp DNA linear PAT 21-FEB-2003
DEFINITION Sequence 7656 from Patent WO02053774.
ACCESSION AX630615
VERSION AX630615.1 GI:28458653
KEYWORDS
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE 1
AUTHORS Petersohn,D., Conradt,M. and Hofmann,K.
TITLE Method for determining homeostasis of the skin
JOURNAL Patent: WO 02053774-A 7656 11-JUL-2002;
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Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1403 AAAATTGTTA 1412
Db 1 AAAATTGTTA 10
RESULT 210
AX630776/c
LOCUS AX630776 11 bp DNA linear PAT 21-FEB-2003
DEFINITION Sequence 7817 from Patent WO02053774.
ACCESSION AX630776


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VERSION      AX630776.1  GI:28458816
KEYWORDS
SOURCE       Homo sapiens (human)
ORGANISM     Homo sapiens
REFERENCE    Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
AUTHORS      Mammalia; Eutheria; Primates; Catarrhini; Homnidae; Homo.
TITLE        1
JOURNAL      Petersohn,D., Conradt,M. and Hofmann,K.
FEATURES     Method for determining homeostasis of the skin
SOURCE       Patent: WO 02053774-A 7817 11-JUL-2002;
              Henkel Kommanditgesellschaft auf Aktien (DE)
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                  /db_xref="taxon:9606"

Query Match      7.7%; Score 10; DB 1; Length 11;
Best Local Similarity 100.0%; Pred. No. 1.1e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1407 TTGTTAATGA 1416
Db      10 TTGTTAATGA 1

RESULT 211
E59615/c
LOCUS      E59615
DEFINITION Human protein C produced by recombination.
ACCESSION  E59615
VERSION    E59615.1  GI:13019418
KEYWORDS   JP 1999346789-A/3.
SOURCE     unidentified
ORGANISM   unidentified
REFERENCE  1 (bases 1 to 12)
AUTHORS    Pryan,W.G.
TITLE      Human protein C produced by recombination
JOURNAL    Patent: JP 1999346789-A 3 21-DEC-1999;
            ELI LILLY & CO

COMMENT
OS      Unidentified
PN      JP 1999346789-A/3
PD      21-DEC-1999
PF      17-MAY-1999  JP 1999135687
PR      09-APR-1986  US  849999
PI      PRYAN WILLIAM GURINNERU
PC      C12N15/09,C07K14/47,C12P21/02//(C12P21/02,C12R1:91),C12N15/00
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FT      Location/Qualifiers
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Query Match      7.7%; Score 10; DB 1; Length 12;
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QY      1388 CTGATCAAAG 1397
Db      12 CTGATCAAAG 3

RESULT 212
I05103/c
LOCUS      I05103
DEFINITION Sequence 2 from Patent EP 0245949.
ACCESSION  I05103
VERSION    I05103.1  GI:591239

Query Match      7.7%; Score 10; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1388 CTGATCAAAG 1397
Db      12 CTGATCAAAG 3

KEYWORDS
SOURCE       Unknown.
ORGANISM     Unassigned.
REFERENCE    1 (bases 1 to 12)
AUTHORS      Grinnell,B.W.
TITLE        A method of using eukaryotic expression vectors comprising the bk
              virus enhancer
              Patent: EP 0245949-A2 2 19-NOV-1987;
              Location/Qualifiers
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Query Match      7.7%; Score 10; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
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QY      1388 CTGATCAAAG 1397
Db      12 CTGATCAAAG 3

RESULT 213
I05127/c
LOCUS      I05127
DEFINITION Sequence 5 from Patent EP 0247843.
ACCESSION  I05127
VERSION    I05127.1  GI:591218
KEYWORDS   .
SOURCE     Unknown.
ORGANISM   Unknown.
REFERENCE  1 (bases 1 to 12)
AUTHORS    Hoskins,J.A. and Long,G.L.
TITLE      Human protein S, A plasma protein regulator of hemostasis
JOURNAL    Patent: EP 0247843-A2 5 02-DEC-1987;
            Location/Qualifiers
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                /organism="unknown"
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Query Match      7.7%; Score 10; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1388 CTGATCAAAG 1397
Db      12 CTGATCAAAG 3

RESULT 214
I06650/c
LOCUS      I06650
DEFINITION Sequence 7 from Patent EP 0323149.
ACCESSION  I06650
VERSION    I06650.1  GI:590175
KEYWORDS   .
SOURCE     Unknown.
ORGANISM   Unknown.
REFERENCE  1 (bases 1 to 12)
AUTHORS    Bang,N.U., Ehrlich,H.J., Grinnell,B.W. and Yan,S.-C.B.
TITLE      Vectors and compounds for expression of zymogen forms of human
              protein C
              Patent: EP 0323149-A2 7 05-JUL-1989;
              Location/Qualifiers
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Query Match      7.7%; Score 10; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1388 CTGATCAAAG 1397
Db      12 CTGATCAAAG 3

RESULT 215
I05103/c
LOCUS      I05103
DEFINITION Sequence 2 from Patent EP 0245949.
ACCESSION  I05103
VERSION    I05103.1  GI:591239
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Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1388 CTGATCAAAG 1397
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Db 12 CTGATCAAAG 3

RESULT 215
I06784/c
LOCUS I06784 12 bp DNA linear PAT 02-DEC-1994
DEFINITION Sequence 10 from Patent EP 0326423.
ACCESSION I06784
VERSION I06784.1 GI:590103
KEYWORDS
SOURCE Unknown.
ORGANISM Unknown.
REFERENCE 1 (bases 1 to 12)
AUTHORS Bumol,T.F., Gadski,R.A., Hamilton,A.E., Sportsman,J.R. and Strnad,J.
TITLE Vectors, compounds and methods for expression of a hum
adenocarcinoma antigen
JOURNAL Patent: EP 0326423-A2 10 02-AUG-1989;
FEATURES Location/Qualifiers
source 1..12
/organism="unknown"
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Query Match 7.7%; Score 10; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1388 CTGATCAAAG 1397
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Db 12 CTGATCAAAG 3

RESULT 216
I07402/c
LOCUS I07402 12 bp DNA linear PAT 02-DEC-1994
DEFINITION Sequence 15 from Patent EP 0338767.
ACCESSION I07402
VERSION I07402.1 GI:589927
KEYWORDS
SOURCE Unknown.
ORGANISM Unknown.
REFERENCE 1 (bases 1 to 12)
AUTHORS Beavers,L.S., Bumol,T.F., Gadski,R.A. and Weigel,B.J.
TITLE Novel recombinant and chimeric antibodies directed against a human
adenocarcinoma antigen
JOURNAL Patent: EP 0338767-A2 15 25-OCT-1989;
FEATURES Location/Qualifiers
source 1..12
/organism="unknown"
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Query Match 7.7%; Score 10; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1388 CTGATCAAAG 1397
|||||
Db 12 CTGATCAAAG 3

RESULT 217
I07634/c
LOCUS I07634 12 bp DNA linear PAT 02-DEC-1994
DEFINITION Sequence 3 from Patent EP 0363127.
ACCESSION I07634
VERSION I07634.1 GI:589743
KEYWORDS

SOURCE Unknown.
ORGANISM Unknown.
REFERENCE 1 (bases 1 to 12)
AUTHORS Berg,D.T. and Grinnell,B.W.
TITLE Improvements in or relating to eukaryotic expression
JOURNAL Patent: EP 0363127-A2 3 11-APR-1990;
FEATURES Location/Qualifiers
source 1..12
/organism="unknown"
/mol_type="unassigned DNA"

Query Match 7.7%; Score 10; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1388 CTGATCAAAG 1397
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Db 12 CTGATCAAAG 3

RESULT 218
I71433/c
LOCUS I71433 12 bp DNA linear PAT 03-APR-1998
DEFINITION Sequence 3 from patent US 5681932.
ACCESSION I71433
VERSION I71433.1 GI:3007568
KEYWORDS
SOURCE Unknown.
ORGANISM Unknown.
REFERENCE 1 (bases 1 to 12)
AUTHORS Grinnell,B.W.
TITLE Method of using eukaryotic expression vectors comprising the BK
virus
JOURNAL Patent: US 5681932-A 3 28-OCT-1997;
FEATURES Location/Qualifiers
source 1..12
/organism="unknown"
/mol_type="unassigned DNA"

Query Match 7.7%; Score 10; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1388 CTGATCAAAG 1397
|||||
Db 12 CTGATCAAAG 3

RESULT 219
BD014692/c
LOCUS BD014692 12 bp DNA linear PAT 27-AUG-2002
DEFINITION Recombinant human protein C.
ACCESSION BD014692
VERSION BD014692.1 GI:22555475
KEYWORDS JP 2001145496-A/3.
SOURCE unidentified
ORGANISM unidentified
REFERENCE 1 (bases 1 to 12)
AUTHORS Grinnell,P.W.
TITLE Recombinant human protein C
JOURNAL Patent: JP 2001145496-A 3 29-MAY-2001;
COMMENT ELI LILLY & CO
OS Unidentified
PN JP 2001145496-A/3
PD 29-MAY-2001
PF 10-OCT-2000 JP 2000309380
PR 09-APR-1986 US 849999
PI PRYAN WILLIAM GRINNELL
PC C12N15/09,C07K14/47,C12N5/10,C12P21/02//A61K38/00,A61P7/02, PC
(C12N5/10,C12R1:91), (C12P21/02,C12R1:91), C12N15/00,C12N5/00, PC

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A61K37/02,
PC (C12N5/00,C12R1:91)
CC Recombinant human protein C
FH Key Location/Qualifiers
FT source 1..12
FT /organism='Unidentified'.

FEATURES
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    Location/Qualifiers
    1..12
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    /mol_type="genomic DNA"
    /db_xref="taxon:32644"

Query Match 7.7%; Score 10; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1388 CTGATCAAG 1397
Db 12 CTGATCAAG 3

RESULT 220
AR030144
LOCUS AR030144 13 bp DNA linear PAT 29-SEP-1999
DEFINITION Sequence 333 from patent US 5861244.
ACCESSION AR030144
VERSION AR030144.1 GI:5943358
KEYWORDS
SOURCE Unknown.
ORGANISM Unclassified.
REFERENCE 1 (bases 1 to 13)
AUTHORS Wang,C.-G. and Hepburn,A.G.
TITLE Genetic sequence assay using DNA triple strand formation
JOURNAL Patent: US 5861244-A 333 19-JAN-1999;
FEATURES
    source
    Location/Qualifiers
    1..13
    /organism="unknown"
    /mol_type="unassigned DNA"

Query Match 7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1349 GGAAGAAA 1358
Db 2 GGAAGAAA 11

RESULT 221
AX098562/c
LOCUS AX098562 20 from Patent WO0119792.
DEFINITION Sequence 20 from Patent WO0119792.
ACCESSION AX098562
VERSION AX098562.1 GI:13537826
KEYWORDS
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE 1
AUTHORS Turin,L.M., Pitt,A.R., Suckling,C.J. and Waigh,R.D.
TITLE Covalently linked dimeric dna binding molecules
JOURNAL Patent: WO 0119792-A 20 22-MAR-2001;
GENELABS TECHNOLOGIES, INC. (US)
FEATURES
    source
    Location/Qualifiers
    1..13
    /organism="Homo sapiens"
    /mol_type="unassigned DNA"
    /db_xref="taxon:9606"

Query Match 7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
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Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1354 GAAAAATATT 1363
Db 11 GAAAAATATT 2

RESULT 222
A88576/c
LOCUS A88576 14 bp DNA linear PAT 22-JAN-2000
DEFINITION Sequence 724 from Patent WO9833904.
ACCESSION A88576
VERSION A88576.1 GI:6737146
KEYWORDS
SOURCE unidentified
ORGANISM unidentified
REFERENCE 1 (bases 1 to 14)
AUTHORS Brysch,W. and Schlingensiepen,K.
TITLE AN ANTISENSE OLIGONUCLEOTIDE PREPARATION METHOD
JOURNAL Patent: WO 9833904-A 724 06-AUG-1998;
BIOGNOSTIK GES (DE); BRYSCH WOLFGANG (DE)
FEATURES
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    Location/Qualifiers
    1..14
    /organism="unidentified"
    /mol_type="unassigned DNA"
    /db_xref="taxon:32644"

Query Match 7.7%; Score 10; DB 1; Length 14;
Best Local Similarity 100.0%; Pred. No. 1.3e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1410 TTAATGATGA 1419
Db 12 TTAATGATGA 3

RESULT 223
A90543/c
LOCUS A90543 14 bp DNA linear PAT 22-JAN-2000
DEFINITION Sequence 724 from Patent EP0856579.
ACCESSION A90543
VERSION A90543.1 GI:6739057
KEYWORDS
SOURCE unidentified
ORGANISM unidentified
REFERENCE 1 (bases 1 to 14)
AUTHORS Brysch,W.D. and Schlingensiepen,K.D.
TITLE An antisense oligonucleotide preparation method
JOURNAL Patent: EP 0856579-A 724 05-AUG-1998;
BIOGNOSTIK GES (DE)
FEATURES
    source
    Location/Qualifiers
    1..14
    /organism="unidentified"
    /mol_type="unassigned DNA"
    /db_xref="taxon:32644"

Query Match 7.7%; Score 10; DB 1; Length 14;
Best Local Similarity 100.0%; Pred. No. 1.3e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1410 TTAATGATGA 1419
Db 12 TTAATGATGA 3

RESULT 224
BD228587
LOCUS BD228587 14 bp DNA linear PAT 17-JUL-2003
DEFINITION PHelix: testis-specific protein expressed in cancer.
ACCESSION BD228587
VERSION BD228587.1 GI:33038357
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KEYWORDS JP 2002523093-A/2.
SOURCE synthetic construct
ORGANISM synthetic construct
REFERENCE 1 (bases 1 to 14)
AUTHORS Afar,D.E., Hubert,R.S. and Raitano,A.B.
TITLE PHELIx: testis-specific protein expressed in cancer
JOURNAL Patent: JP 2002523093-A 2 30-JUL-2002;
UROGENESYS INC
COMMENT OS Artificial Sequence
PN JP 2002523093-A/2
PD 30-JUL-2002
PF 31-AUG-1999 JP 2000567696
PR 31-AUG-1998 US 60/098610,31-OCT-1998 US 60/106524 PI
DANIEL E AFAR,RENE S HUBERT,ARTHUR B RAITANO
PC C12N15/09,A01K67/027,A61K31/7088,A61K39/00,A61K39/395,A61K48/
PC 00,A61P35/00,
PC C07K7/04,C07K14/47,C07K16/18,C12N1/15,C12N1/19,C12N1/21,C12N5/
PC 10,C12N5/10,
PC C12N15/02,C12P21/02,C12P21/08,C12Q1/02,C12Q1/68,G01N33/15, PC
G01N33/50,
PC G01N33/50,G01N33/566,G01N33/574,G01N33/577,C12N15/00,C12N5/00,
PC C12N5/00,
PC C12N15/00,
CC Description of Artificial Sequence: cDNA synthesis primer FH
Key Location/Qualifiers
FT source 1..14
FT /organism='Artificial Sequence'.
FEATURES source Location/Qualifiers
1..14
/organism="synthetic construct"
/mol_type="genomic DNA"
/db_xref="taxon:32630"
Query Match 7.7%; Score 10; DB 1; Length 14;
Best Local Similarity 100.0%; Pred. No. 1.3e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1457 TTGATCAAGC 1466
|||||
Db 3 TTGATCAAGC 12
RESULT 225
AR277706
LOCUS AR277706 14 bp DNA linear PAT 10-APR-2003
DEFINITION Sequence 5 from patent US 6509458.
ACCESSION AR277706
VERSION AR277706.1 GI:29711494
KEYWORDS
SOURCE Unknown.
ORGANISM Unknown.
REFERENCE 1 (bases 1 to 14)
AUTHORS Afar,D.E., Hubert,R.S. and Mitchell,S.C.
TITLE Gene expressed in prostate cancer
JOURNAL Patent: US 6509458-A 5 21-JAN-2003;
FEATURES source Location/Qualifiers
1..14
/organism="unknown"
/mol_type="genomic DNA"
Query Match 7.7%; Score 10; DB 1; Length 14;
Best Local Similarity 100.0%; Pred. No. 1.3e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1457 TTGATCAAGC 1466
|||||
Db 3 TTGATCAAGC 12
RESULT 226
AR22286
LOCUS AR322286 14 bp DNA linear PAT 17-AUG-2003
DEFINITION Sequence 3 from patent US 6566078.
ACCESSION AR322286
VERSION AR322286.1 GI:33707875
KEYWORDS
SOURCE Unknown.
ORGANISM Unknown.
REFERENCE 1 (bases 1 to 14)
AUTHORS Raitano,A.B., Jakobovits,A., Faris,M., Afar,D.E.H., Hubert,R.S. and Mitchell,S.C.
TITLE 36P6D5: secreted tumor antigen
JOURNAL Patent: US 6566078-A 3 20-MAY-2003;
FEATURES source Location/Qualifiers
1..14
/organism="unknown"
/mol_type="genomic DNA"
Query Match 7.7%; Score 10; DB 1; Length 14;
Best Local Similarity 100.0%; Pred. No. 1.3e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1457 TTGATCAAGC 1466
|||||
Db 3 TTGATCAAGC 12
RESULT 227
AR372768
LOCUS AR372768 14 bp DNA linear PAT 18-DEC-2003
DEFINITION Sequence 11 from patent US 6602501.
ACCESSION AR372768
VERSION AR372768.1 GI:40074490
KEYWORDS
SOURCE Unknown.
ORGANISM Unknown.
REFERENCE 1 (bases 1 to 14)
AUTHORS Afar,D.E.H., Hubert,R.S., Jakobovits,A. and Raitano,A.B.
TITLE C-type lectin transmembrane antigen expressed in human prostate cancer and uses thereof
JOURNAL Patent: US 6602501-A 11 05-AUG-2003;
FEATURES source Location/Qualifiers
1..14
/organism="unknown"
/mol_type="genomic DNA"
Query Match 7.7%; Score 10; DB 1; Length 14;
Best Local Similarity 100.0%; Pred. No. 1.3e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1457 TTGATCAAGC 1466
|||||
Db 3 TTGATCAAGC 12
RESULT 228
AR374279
LOCUS AR374279 14 bp DNA linear PAT 18-DEC-2003
DEFINITION Sequence 10 from patent US 6605431.
ACCESSION AR374279
VERSION AR374279.1 GI:40076994
KEYWORDS
SOURCE Unknown.
ORGANISM Unknown.
REFERENCE 1 (bases 1 to 14)
AUTHORS Gourse,R.L., Estrem,S.T., Ross,W.E. and Gaal,T.
TITLE Promoter elements and methods of use
JOURNAL Patent: US 6605431-A 10 12-AUG-2003;
FEATURES source Location/Qualifiers
1..14
/organism="unknown"


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/mol_type="genomic DNA"

Query Match
Best Local Similarity 7.7%; Score 10; DB 1; Length 14;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1354 GAAAAATATT 1363
Db 1 GAAAAATATT 10

RESULT 229
AR431453
LOCUS AR431453 14 bp DNA linear PAT 18-DEC-2003
DEFINITION Sequence 9 from patent US 6652859.
ACCESSION AR431453
VERSION AR431453.1 GI:40193507
KEYWORDS
SOURCE Unknown.
ORGANISM Unknown.
REFERENCE 1 (bases 1 to 14)
AUTHORS Afar,D.E., Hubert,R.S., Raitano,A.B. and Mitchell,S.C.
TITLE PTANS: testis specific proteins expressed in prostate cancer
JOURNAL Patent: US 6652859-A 9 25-NOV-2003;
FEATURES
source
1. .14
/organism="unknown"
/mol_type="genomic DNA"

Query Match
Best Local Similarity 7.7%; Score 10; DB 1; Length 14;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1457 TTGATCAAGC 1466
Db 3 TTGATCAAGC 12

RESULT 230
AX083184
LOCUS AX083184 14 bp DNA linear PAT 28-FEB-2001
DEFINITION Sequence 11 from Patent WO0112811.
ACCESSION AX083184
VERSION AX083184.1 GI:13185070
KEYWORDS Homo sapiens (human)
SOURCE Homo sapiens
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE 1
AUTHORS Afar,D.E., Hubert,R.S., Jakobovits,A. and Raitano,A.B.
TITLE C-type lectin transmembrane antigen expressed in human prostate
cancer and uses thereof
JOURNAL Patent: WO 0112811-A 11 22-FEB-2001;
Urogenesys, Inc. (US)
FEATURES
source
1. .14
/organism="Homo sapiens"
/mol_type="unassigned DNA"
/db_xref="taxon:9606"

Query Match
Best Local Similarity 7.7%; Score 10; DB 1; Length 14;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1457 TTGATCAAGC 1466
Db 3 TTGATCAAGC 12

RESULT 231
AX107057
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LOCUS AX107057 14 bp DNA linear PAT 30-APR-2001
DEFINITION Sequence 21 from Patent WO0125434.
ACCESSION AX107057
VERSION AX107057.1 GI:13922568
KEYWORDS
SOURCE synthetic construct
ORGANISM synthetic construct
artificial sequences.
REFERENCE 1
AUTHORS Raitano,A.B., Afar,D.E., Jakobovits,A., Faris,M., Hubert,R.S.,
Mitchell,S.C. and Saffran,D.C.
TITLE G protein-coupled receptor up-regulated in prostate cancer and uses
thereof
JOURNAL Patent: WO 0125434-A 21 12-APR-2001;
Urogenesys, Inc. (US)
FEATURES
source
1. .14
/organism="synthetic construct"
/mol_type="unassigned DNA"
/db_xref="taxon:32630"
/note="Primer"

Query Match
Best Local Similarity 7.7%; Score 10; DB 1; Length 14;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1457 TTGATCAAGC 1466
Db 3 TTGATCAAGC 12

RESULT 232
AX127613
LOCUS AX127613 14 bp DNA linear PAT 15-MAY-2001
DEFINITION Sequence 28 from Patent WO0131343.
ACCESSION AX127613
VERSION AX127613.1 GI:14134282
KEYWORDS
SOURCE synthetic construct
ORGANISM synthetic construct
artificial sequences.
REFERENCE 1
AUTHORS Hubert,R.S., Raitano,A.B., Afar,D.E., Mitchell,S.C., Faris,M. and
Jakobovits,A.
TITLE Diagnosis and therapy of cancer using sgp28-related molecules
JOURNAL Patent: WO 0131343-A 28 03-MAY-2001;
Urogenesys, Inc. (US)
FEATURES
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1. .14
/organism="synthetic construct"
/mol_type="unassigned DNA"
/db_xref="taxon:32630"
/note="Primer"

Query Match
Best Local Similarity 7.7%; Score 10; DB 1; Length 14;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1457 TTGATCAAGC 1466
Db 3 TTGATCAAGC 12

RESULT 233
AX155265
LOCUS AX155265 14 bp DNA linear PAT 22-JUN-2001
DEFINITION Sequence 23 from Patent WO0140276.
ACCESSION AX155265
VERSION AX155265.1 GI:14536727
KEYWORDS
SOURCE synthetic construct
ORGANISM synthetic construct
artificial sequences.
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REFERENCE 1
AUTHORS Afar,D.E., Hubert,R.S., Raitano,A.B., Saffran,D.C., Mitchell,S.C.,
Paris,M. and Jakobovits,A.
TITLE Serpentine transmembrane antigens expressed in human prostate
cancers and uses thereof
JOURNAL Patent: WO 0140276-A 23 07-JUN-2001;
Urogenesys, Inc. (US)
FEATURES Location/Qualifiers
source 1. .14
/organism="synthetic construct"
/mol_type="unassigned DNA"
/db_xref="taxon:32630"
/note="primer"
Query Match 7.7%; Score 10; DB 1; Length 14;
Best Local Similarity 100.0%; Pred. No. 1.3e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1457 TTGATCAAGC 1466
|||||
Db 3 TTGATCAAGC 12
RESULT 234
AX212444
LOCUS AX212444 14 bp DNA linear PAT 07-SEP-2001
DEFINITION Sequence 7 from Patent WO0159110.
ACCESSION AX212444
VERSION AX212444.1 GI:15524098
KEYWORDS
SOURCE synthetic construct
ORGANISM synthetic construct
artificial sequences.
REFERENCE 1
AUTHORS Faris,M., Afar,D.E., Challita-Eid,P.M., Hubert,R.S., Levin,E.,
Mitchell,S.C. and Jakobovits,A.
TITLE 34p3d7: a tissue specific protein highly expressed in prostate
cancer
JOURNAL Patent: WO 0159110-A 7 16-AUG-2001;
Urogenesys, Inc. (US)
FEATURES Location/Qualifiers
source 1. .14
/organism="synthetic construct"
/mol_type="unassigned DNA"
/db_xref="taxon:32630"
/note="Primer"
Query Match 7.7%; Score 10; DB 1; Length 14;
Best Local Similarity 100.0%; Pred. No. 1.3e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1457 TTGATCAAGC 1466
|||||
Db 3 TTGATCAAGC 12
RESULT 235
AX213287
LOCUS AX213287 14 bp DNA linear PAT 06-SEP-2001
DEFINITION Sequence 7 from Patent WO0159115.
ACCESSION AX213287
VERSION AX213287.1 GI:15524195
KEYWORDS
SOURCE synthetic construct
ORGANISM synthetic construct
artificial sequences.
REFERENCE 1
AUTHORS Hubert,R.S., Afar,D.E., Challita-Eid,P.M., Faris,M., Levin,E.,
Mitchell,S.C. and Jakobovits,A.
TITLE 83p594: a tissue specific protein highly expressed in prostate
cancer
JOURNAL Patent: WO 0159115-A 7 16-AUG-2001;
Urogenesys, Inc. (US)

FEATURES Location/Qualifiers
source 1. .14
/organism="synthetic construct"
/mol_type="unassigned DNA"
/db_xref="taxon:32630"
/note="Primer"
Query Match 7.7%; Score 10; DB 1; Length 14;
Best Local Similarity 100.0%; Pred. No. 1.3e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1457 TTGATCAAGC 1466
|||||
Db 3 TTGATCAAGC 12
RESULT 236
AX233638
LOCUS AX233638 14 bp DNA linear PAT 11-SEP-2001
DEFINITION Sequence 7 from Patent WO0162925.
ACCESSION AX233638
VERSION AX233638.1 GI:15593340
KEYWORDS
SOURCE synthetic construct
ORGANISM synthetic construct
artificial sequences.
REFERENCE 1
AUTHORS Raitano,A.B., Afar,D.E., Rastegar,G.S., Mitchell,S.C., Hubert,R.S.,
Challita-Eid,P.M., Faris,M. and Jakobovits,A.
TITLE 103p2d6: tissue specific protein highly expressed in various
cancers
JOURNAL Patent: WO 0162925-A 7 30-AUG-2001;
Urogenesys, Inc. (US)
FEATURES Location/Qualifiers
source 1. .14
/organism="synthetic construct"
/mol_type="unassigned DNA"
/db_xref="taxon:32630"
/note="Primer"
Query Match 7.7%; Score 10; DB 1; Length 14;
Best Local Similarity 100.0%; Pred. No. 1.3e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1457 TTGATCAAGC 1466
|||||
Db 3 TTGATCAAGC 12
RESULT 237
AX285303
LOCUS AX285303 14 bp DNA linear PAT 20-NOV-2001
DEFINITION Sequence 7 from Patent WO0179557.
ACCESSION AX285303
VERSION AX285303.1 GI:17045983
KEYWORDS
SOURCE synthetic construct
ORGANISM synthetic construct
artificial sequences.
REFERENCE 1
AUTHORS Faris,M., Challita-Eid,P.M., Raitano,A.B., Mitchell,S.C., Afar,D.E.
and Jakobovits,A.
TITLE Gtp-binding protein useful in treatment and detection of cancer
JOURNAL Patent: WO 0179557-A 7 25-OCT-2001;
Urogenesys, Inc. (US)
FEATURES Location/Qualifiers
source 1. .14
/organism="synthetic construct"
/mol_type="unassigned DNA"
/db_xref="taxon:32630"
/note="primer"
Query Match 7.7%; Score 10; DB 1; Length 14;

Best Local Similarity 100.0%; Pred. No. 1.3e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1457 TTGATCAAGC 1466
|||||
Db 3 TTGATCAAGC 12

RESULT 238
AX369438

LOCUS AX369438 PAT 16-FEB-2002
DEFINITION Sequence 7 from Patent WO0190157.
ACCESSION AX369438
VERSION AX369438.1 GI:18857338
KEYWORDS
SOURCE synthetic construct
ORGANISM synthetic construct
artificial sequences.

REFERENCE 1
AUTHORS Challita-Eid,P.M., Hubert,R.S., Faris,M., Afar,D.E., Levin,E.,
Mitchell,S.C. and Jakobovits,A.
TITLE 98p7c3: homeodomain protein highly expressed in various cancers
JOURNAL Patent: WO 0190157-A 7 29-NOV-2001;
UROGENESYS, Inc. (US)
FEATURES
source Location/Qualifiers
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/organism="synthetic construct"
/mol_type="unassigned DNA"
/db_xref="taxon:32630"
/note="primer"

Query Match 7.7%; Score 10; DB 1; Length 14;
Best Local Similarity 100.0%; Pred. No. 1.3e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1457 TTGATCAAGC 1466
|||||
Db 3 TTGATCAAGC 12

RESULT 239
AX379600

LOCUS AX379600 PAT 18-MAR-2002
DEFINITION Sequence 10 from Patent WO0196391.
ACCESSION AX379600
VERSION AX379600.1 GI:19575287
KEYWORDS
SOURCE synthetic construct
ORGANISM synthetic construct
artificial sequences.

REFERENCE 1
AUTHORS Faris,M., Hubert,R.S., Afar,D.E., Levin,E., Mitchell,S.C.,
Raitano,A.B. and Jakobovits,A.
TITLE 55p4h4: gene expressed in various cancers
JOURNAL Patent: WO 0196391-A 10 20-DEC-2001;
AGENSYS, Inc. (US)
FEATURES
source Location/Qualifiers
1. .14
/organism="synthetic construct"
/mol_type="unassigned DNA"
/db_xref="taxon:32630"
/note="primer"

Query Match 7.7%; Score 10; DB 1; Length 14;
Best Local Similarity 100.0%; Pred. No. 1.3e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1457 TTGATCAAGC 1466
|||||
Db 3 TTGATCAAGC 12

RESULT 240

AX421186
LOCUS AX421186 PAT 18-JUN-2002
DEFINITION Sequence 717 from Patent WO0216598.
ACCESSION AX421186
VERSION AX421186.1 GI:21524624
KEYWORDS
SOURCE synthetic construct
ORGANISM synthetic construct
artificial sequences.

REFERENCE 1
AUTHORS Challita-Eid,P.M., Hubert,R.S., Raitano,A.B., Afar,D.E., Levin,E.,
Faris,M., Ge,W. and Jakobovits,A.
TITLE Nucleic acid and corresponding protein named 158plh4 useful in the
treatment and detection of bladder and other cancers
JOURNAL Patent: WO 0216598-A 717 28-FEB-2002;
AGENSYS, Inc. (US)
FEATURES
source Location/Qualifiers
1. .14
/organism="synthetic construct"
/mol_type="unassigned DNA"
/db_xref="taxon:32630"
/note="primer"

Query Match 7.7%; Score 10; DB 1; Length 14;
Best Local Similarity 100.0%; Pred. No. 1.3e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1457 TTGATCAAGC 1466
|||||
Db 3 TTGATCAAGC 12

RESULT 241
AX421198

LOCUS AX421198 PAT 18-JUN-2002
DEFINITION Sequence 729 from Patent WO0216598.
ACCESSION AX421198
VERSION AX421198.1 GI:21524636
KEYWORDS
SOURCE synthetic construct
ORGANISM synthetic construct
artificial sequences.

REFERENCE 1
AUTHORS Challita-Eid,P.M., Hubert,R.S., Raitano,A.B., Afar,D.E., Levin,E.,
Faris,M., Ge,W. and Jakobovits,A.
TITLE Nucleic acid and corresponding protein named 158plh4 useful in the
treatment and detection of bladder and other cancers
JOURNAL Patent: WO 0216598-A 729 28-FEB-2002;
AGENSYS, Inc. (US)
FEATURES
source Location/Qualifiers
1. .14
/organism="synthetic construct"
/mol_type="unassigned DNA"
/db_xref="taxon:32630"
/note="primer"

Query Match 7.7%; Score 10; DB 1; Length 14;
Best Local Similarity 100.0%; Pred. No. 1.3e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1457 TTGATCAAGC 1466
|||||
Db 3 TTGATCAAGC 12

RESULT 242
AX466358

LOCUS AX466358 PAT 16-JUL-2002
DEFINITION Sequence 661 from Patent WO0216593.
ACCESSION AX466358
VERSION AX466358.1 GI:21899948
KEYWORDS
SOURCE synthetic construct

ORGANISM synthetic construct
REFERENCE artificial sequences.
1
AUTHORS Faris,M., Hubert,R.S., Raitano,A.B., Afar,D.E., Levin,E.,
Challita-Eid,P.M. and Jakobovits,A.
TITLE Nucleic acid and corresponding protein named 158p1d7 useful in the
treatment and detection of bladder and other cancers
JOURNAL Patent: WO 0216593-A 661 28-FEB-2002;
Agensys, Inc. (US)
FEATURES Location/Qualifiers
source
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/organism="synthetic construct"
/mol_type="unassigned DNA"
/db_xref="taxon:32630"
/note="Primer"
Query Match 7.7%; Score 10; DB 1; Length 14;
Best Local Similarity 100.0%; Pred. No. 1.3e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1457 TTGATCAAGC 1466
|||||
Db 3 TTGATCAAGC 12
RESULT 243
AX586901
LOCUS AX586901 14 bp DNA linear PAT 10-JAN-2003
DEFINITION Sequence 2586 from Patent WO02060953.
ACCESSION AX586901
VERSION AX586901.1 GI:27655789
KEYWORDS Homo sapiens (human)
SOURCE Homo sapiens
ORGANISM Homo sapiens
REFERENCE
1
AUTHORS Challita-Eid,P.M., Faris,M., Afar,D.E., Hubert,R.S., Mitchell,S.C.,
Levin,E., Morrison,K.J., Raitano,A.B. and Jakobovits,A.
TITLE Nucleic acid and encoded zinc transporter protein entitled 108p5h8
useful in treatment and detection of cancer
JOURNAL Patent: WO 02060953-A 2586 08-AUG-2002;
Agensys, Inc. (US)
FEATURES Location/Qualifiers
source
1. .14
/organism="Homo sapiens"
/mol_type="unassigned DNA"
/db_xref="taxon:9606"
Query Match 7.7%; Score 10; DB 1; Length 14;
Best Local Similarity 100.0%; Pred. No. 1.3e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1457 TTGATCAAGC 1466
|||||
Db 3 TTGATCAAGC 12
RESULT 244
AX655961
LOCUS AX655961 14 bp DNA linear PAT 22-MAR-2003
DEFINITION Sequence 5831 from Patent WO03000898.
ACCESSION AX655961
VERSION AX655961.1 GI:29158775
KEYWORDS Oryza sativa
SOURCE Oryza sativa
ORGANISM Oryza sativa
REFERENCE
1
AUTHORS Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
Spermatophyta; Magnoliophyta; Liliopsida; Poales; Poaceae;
Ehrhartoideae; Oryzeae; Oryza.
Chang,H.S., Chen,W., Cooper,B., Glazebrook,J., Goff,S.A., Hou,Y.M.,
Katagiri,F., Quan,S., Tao,Y., Whitham,S., Xie,Z., Zhu,T. and Zou,G.

TITLE Plant genes involved in defense against pathogens
JOURNAL Patent: WO 0300898-A 5831 03-JAN-2003;
Syngenta Participations AG (CH)
FEATURES Location/Qualifiers
source
1. .14
/organism="Oryza sativa"
/mol_type="unassigned DNA"
/db_xref="taxon:4530"
Query Match 7.7%; Score 10; DB 1; Length 14;
Best Local Similarity 83.3%; Pred. No. 1.3e+02;
Matches 10; Conservative 1; Mismatches 1; Indels 0; Gaps 0;
QY 1394 AAAGGAGGTAAA 1405
|||||
Db 3 AAAGGGGTAAA 14
RESULT 245
BD066089/c
LOCUS BD066089 14 bp DNA linear PAT 27-AUG-2002
DEFINITION An antisense oligonucleotide preparation method.
ACCESSION BD066089
VERSION BD066089.1 GI:22611692
KEYWORDS JP 2001511000-A/724.
SOURCE unidentified
ORGANISM unidentified
REFERENCE 1 (bases 1 to 14)
AUTHORS Schlingensiepen,K.H. and Brysch,W.
TITLE An antisense oligonucleotide preparation method
JOURNAL Patent: JP 2001511000-A 724 07-AUG-2001;
BIOGNOSTIK GESELLSCHAFT FUR BIOMOLEKULARE DIAGNOSTIK MBH
COMMENT OS Unknown
PN JP 2001511000-A/724
PD 07-AUG-2001
PF 30-JAN-1998 JP 1998532533
PR 31-JAN-1997 EP 97101531.8
PI KARL HERMANN SCHLINGENSIEPEN,WOLFGANG BRYSCH
PC C12N15/11,C07H21/04,A61K31/70
CC An antisense oligonucleotide preparation method FH Key
Location/Qualifiers
FT source
1. .14
/organism='Unknown'.
FEATURES Location/Qualifiers
source
1. .14
/organism="unidentified"
/mol_type="genomic DNA"
/db_xref="taxon:32644"
Query Match 7.7%; Score 10; DB 1; Length 14;
Best Local Similarity 100.0%; Pred. No. 1.3e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1410 TTAATGATGA 1419
|||||
Db 12 TTAATGATGA 3
RESULT 246
BD223685
LOCUS BD223685 14 bp DNA linear PAT 17-JUL-2003
DEFINITION BPC-1: secretory brain-specific protein expressed and secreted in
prostatic and vesical cancer cells.
ACCESSION BD223685
VERSION BD223685.1 GI:33033455
KEYWORDS JP 2002522076-A/2.
SOURCE synthetic construct
ORGANISM synthetic construct
REFERENCE 1 (bases 1 to 14)
AUTHORS Afar,D.E., Hubert,R.S., Leong,K., Raitano,A.B., Saffran,D.C. and
Jakobovits,A.

TITLE BPC-1: secretory brain-specific protein expressed and secreted in
prostatic and vesical cancer cells
JOURNAL Patent: JP 2002522076-A 2 23-JUL-2002;
UROGENESYS INC
COMMENT OS Artificial Sequence
PN JP 2002522076-A/2
PD 23-JUL-2002
PF 10-AUG-1999 JP 2000565126
PR 10-AUG-1998 US 60/095982
PI DANIEL E AFAR,RENE S HUBERT,KAHAN LEONG,ARTHUR B RAITANO PI
,DOUGLAS C SAFFRAN,
PI AYA JAKOBOVITS
PC
C12N15/09,A61K31/7088,A61K31/7105,A61K39/385,A61K39/395,A61K39/ PC
395,
PC A61K48/00,A61P13/08,A61P13/10,A61P35/00,C07K14/47,C07K16/18,
PC C12N1/15,
PC C12N1/19,C12N1/21,C12N5/10,C12N5/10,C12P21/02,C12Q1/68,G01N33/
493,
PC G01N33/50,G01N33/53//C12P21/08,(C12P21/02,C12R1:91),C12N15/00,
PC C12N5/00,
PC C12N5/00
CC Description of Artificial Sequence:cDNA synthesis primer FH
Key Location/Qualifiers
FT source 1.14
FT /organism='Artificial Sequence'.
FEATURES
source Location/Qualifiers
1.14
/organism="synthetic construct"
/mol_type="genomic DNA"
/db_xref="taxon:32630"
Query Match 7.7%; Score 10; DB 1; Length 14;
Best Local Similarity 100.0%; Pred. No. 1.3e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1457 TTGATCAAGC 1466
Db |||||
3 TTGATCAAGC 12
RESULT 247
AR096039
LOCUS AR096039 13 bp DNA linear PAT 08-SEP-2000
DEFINITION Sequence 5 from patent US 6005086.
ACCESSION AR096039
VERSION AR096039.1 GI:10024476
KEYWORDS
SOURCE Unknown.
ORGANISM Unknown.
REFERENCE 1 (bases 1 to 13)
AUTHORS Evans,R.M., Forman,B.M. and Weinberger,C.A.
TITLE Farnesoid activated receptor polypeptides, and nucleic acid
encoding the same
JOURNAL Patent: US 6005086-A 5 21-DEC-1999;
FEATURES Location/Qualifiers
source 1.13
/organism="unknown"
/mol_type="unassigned DNA"
Query Match 7.5%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 1.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
QY 1425 CGTTCTATGCAGA 1437
Db |||||
1 CGTTCAATGCACA 13
RESULT 248
BD273346/C
LOCUS BD273346 13 bp DNA linear PAT 17-JUL-2003

DEFINITION Adenovirus derived gene delivery vehicles comprising at least one
element of adenovirus type 35.
ACCESSION BD273346
VERSION BD273346.1 GI:33083114
KEYWORDS JP 2002543846-A/42.
SOURCE Adenoviridae
ORGANISM Adenoviridae
REFERENCE Viruses; dsDNA viruses, no RNA stage.
1 (bases 1 to 13)
AUTHORS Bout,A., Havenga,M.J.E. and Vogels,R.
TITLE Adenovirus derived gene delivery vehicles comprising at least one
element of adenovirus type 35
JOURNAL Patent: JP 2002543846-A 42 24-DEC-2002;
COMMENT CRUCELL HOLLAND BV
OS Adenoviridae
PN JP 2002543846-A/42
PD 24-DEC-2002
PF 16-MAY-2000 JP 2000618477
PR 17-MAY-1999 EP 99201545.3
PI ABRAHAM BOUT,MENZO JANS EMCO HAVENGA,RONALD VOGELS PC
C12N15/09,A61K35/76,A61K48/00,A61P43/00,C12N5/10,C12N15/00, PC
C12N5/00
CC /note='Partial sequence of an adenovirus ITR' FH Key
FT Location/Qualifiers
1.13
/organism="Adenoviridae"
/mol_type="genomic DNA"
/db_xref="taxon:10508"
Query Match 7.5%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 1.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
QY 1406 ATTGTTAATGATG 1418
Db |||||
13 ATTATTGATGATG 1
RESULT 249
AR217417
LOCUS AR217417 13 bp DNA linear PAT 25-SEP-2002
DEFINITION Sequence 5 from patent US 6416957.
ACCESSION AR217417
VERSION AR217417.1 GI:23317108
KEYWORDS
SOURCE Unknown.
ORGANISM Unknown.
REFERENCE 1 (bases 1 to 13)
AUTHORS Evans,R.M., Forman,B.M. and Weinberger,C.A.
TITLE Method for modulating process mediated by farnesoid activated
receptors
JOURNAL Patent: US 6416957-A 5 09-JUL-2002;
FEATURES Location/Qualifiers
source 1.13
/organism="unknown"
/mol_type="unassigned DNA"
Query Match 7.5%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 1.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
QY 1425 CGTTCTATGCAGA 1437
Db |||||
1 CGTTCAATGCACA 13
RESULT 250
AR305535
LOCUS AR305535 13 bp DNA linear PAT 12-JUN-2003
DEFINITION Sequence 3 from patent US 6545162.

ACCESSION AR305535
VERSION AR305535.1 GI:31694944
KEYWORDS
SOURCE Unknown.
ORGANISM Unknown.
REFERENCE 1 (bases 1 to 13)
AUTHORS Dervan,P.B. and Baird,E.E.
TITLE Method for the synthesis of pyrrole and imidazole carboxamides on a solid support
JOURNAL Patent: US 6545162-A 3 08-APR-2003;
FEATURES Location/Qualifiers
source 1..13
/organism="unknown"
/mol_type="genomic DNA"
Query Match 7.5%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 1.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
Qy 1431 ATGCAGACATATA 1443 13 bp DNA linear PAT 12-JAN-2001
Db 1 ATATAGACATATA 13
RESULT 251
AX049941/c
LOCUS AX049941
DEFINITION Sequence 42 from Patent WO0070071.
ACCESSION AX049941
VERSION AX049941.1 GI:12226318
KEYWORDS
SOURCE Adenoviridae
ORGANISM Adenoviridae
REFERENCE 1
AUTHORS Bout,A., Havenga,M.J. and Vogels,R.
TITLE Adenovirus derived gene delivery vehicles comprising at least one element of adenovirus type 35
JOURNAL Patent: WO 0070071-A 42 23-NOV-2000;
Introgene B.V. (NL)
FEATURES Location/Qualifiers
source 1..13
/organism="Adenoviridae"
/mol_type="unassigned DNA"
/db_xref="taxon:10508"
misc_feature 1..13
/note="Partial sequence of an adenovirus ITR"
Query Match 7.5%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 1.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
Qy 1406 ATTGTTATGATG 1418
Db 13 ATTATTGATGATG 1
RESULT 252
AX300872/c
LOCUS AX300872
DEFINITION Sequence 41 from Patent WO0185955.
ACCESSION AX300872
VERSION AX300872.1 GI:17382150
KEYWORDS
SOURCE synthetic construct
ORGANISM synthetic construct
REFERENCE 1
AUTHORS Bahr,G., Cocude,C. and Capron,A.
TITLE Rh116 polypeptides and its fragments and polynucleotides encoding said polypeptides and therapeutic uses
JOURNAL Patent: WO 0185955-A 41 15-NOV-2001;

FEATURES Istac (FR) ; INSTITUT PASTEUR DE LILLE (FR)
source Location/Qualifiers
1..13
/organism="synthetic construct"
/mol_type="unassigned DNA"
/db_xref="taxon:32630"
/note="Amorce"
Query Match 7.5%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 1.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
Qy 1349 GCGAAGAAAAATA 1361
Db 13 GGTAGAAAAGATA 1
RESULT 253
AJ587409/c
LOCUS AJ587409
DEFINITION Arabidopsis thaliana T-DNA flanking sequence, right border, clone 274E08.
ACCESSION AJ587409
VERSION AJ587409.1 GI:37937033
KEYWORDS right border; T-DNA flanking sequence.
SOURCE Arabidopsis thaliana (thale cress)
ORGANISM Arabidopsis thaliana
Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta; Spermatophyta; Magnoliophyta; eudicotyledons; core eudicots; rosids; eurosids II; Brassicales; Brassicaceae; Arabidopsi
1
REFERENCE
AUTHORS Brunaud,V., Balzergue,S., Dubreucq,B., Aubourg,S., Samson,F., Chauvin,S., Bechtold,N., Cruaud,C., DeRose,R., Pelletier,G., Lepiniec,L., Caboche,M. and Lecharny,A.
TITLE T-DNA integration into the Arabidopsis genome depends on sequences of pre-insertion sites
EMBO Rep. 3 (12), 1152-1157 (2002)
JOURNAL
MEDLINE 22363535
PUBMED 12446565
REFERENCE 2 (bases 1 to 13)
AUTHORS Balzergue,S.
TITLE Direct Submission
JOURNAL Submitted (23-OCT-2003) Balzergue S., UMRGV, INRA/CNRS, 2 rue Gaston Cremieux, 91057 Evry cedex, FRANCE
COMMENT PCR was performed on DNA from transformants of Arabidopsis thaliana plants from INRA (Versailles). The DNA fragment(s) resulting from the PCR were directly sequenced from the left or the right border to determine the genomic sequence flanking the insertion. T-DNA derived sequences were removed. Information to order the corresponding mutant line and a link to a database providing a graphical display of the insertion site are available at http://dbsgap.versailles.inra.fr/publiclines/. This sequence has been generated in the framework of the French plant genomics program 'Genoplante' (http://www.genoplante.com and http://genoplante-info.inbioigen.fr).
FEATURES Location/Qualifiers
source 1..13
/organism="Arabidopsis thaliana"
/mol_type="genomic DNA"
/cultivar="Wassillewskija"
/db_xref="taxon:3702"
/clone="274E08"
/clone_lib="Arabidopsis thaliana T-DNA insertion lines"
misc_feature 1..13
/note="T-DNA flanking sequence
right border"
Query Match 7.5%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 1.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
Qy 1353 AGAAAAATATTC 1365
Db 13 GGTAGAAAAGATA 1

Db	13 AAAAAACTATTCC 1
RESULT 254	
A64290	
LOCUS	A64290 linear PAT 29-MAR-1999
DEFINITION	Sequence 78 from Patent WO9727332.
ACCESSION	A64290
VERSION	A64290.1 GI:3717721
KEYWORDS	.
SOURCE	unidentified
ORGANISM	unclassified.
REFERENCE	1
AUTHORS	Stuyver,L., Louwagie,J. and Rossau,R.
TITLE	METHOD FOR DETECTION OF DRUG-INDUCED MUTATIONS IN THE REVERSE TRANSCRIPTASE GENE
JOURNAL	Patent: WO 9727332-A 78 31-JUL-1997;
COMMENT	INOGENETICS NV (BE)
FEATURES	Other publication AU 1444397 19970820.
source	Location/Qualifiers
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	/db_xref="taxon:32644"
Query Match	7.5%; Score 9.8; DB 1; Length 14;
Best Local Similarity	84.6%; Pred. No. 1.4e+02;
Matches	11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
QY	1441 ATACATGGAAGAT 1453
Db	
	2 ATACATAGATGAT 14
RESULT 255	
A88590	
LOCUS	A88590 linear PAT 22-JAN-2000
DEFINITION	Sequence 738 from Patent WO9833904.
ACCESSION	A88590
VERSION	A88590.1 GI:6737160
KEYWORDS	.
SOURCE	unidentified
ORGANISM	unclassified.
REFERENCE	1 (bases 1 to 14)
AUTHORS	Brysch,W. and Schlingensiepen,K.
TITLE	AN ANTISENSE OLIGONUCLEOTIDE PREPARATION METHOD
JOURNAL	Patent: WO 9833904-A 738 06-AUG-1998;
FEATURES	BIOGNOSTIK GES (DE); BRYSCH WOLFGANG (DE)
source	Location/Qualifiers
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	/db_xref="taxon:32644"
Query Match	7.5%; Score 9.8; DB 1; Length 14;
Best Local Similarity	84.6%; Pred. No. 1.4e+02;
Matches	11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
QY	1402 TAAAATTGTTAAT 1414
Db	
	2 TAAAATTTGAAT 14
RESULT 256	
A88639/c	
LOCUS	A88639 linear PAT 22-JAN-2000
DEFINITION	Sequence 787 from Patent WO9833904.
ACCESSION	A88639
VERSION	A88639.1 GI:6737209
KEYWORDS	.
SOURCE	unidentified
ORGANISM	unclassified.
REFERENCE	1 (bases 1 to 14)
AUTHORS	Brysch,W.D. and Schlingensiepen,K.D.
TITLE	An antisense oligonucleotide preparation method
JOURNAL	Patent: EP 0856579-A 738 05-AUG-1998;
FEATURES	BIOGNOSTIK GES (DE)
source	Location/Qualifiers
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	/organism="unidentified"
	/mol_type="unassigned DNA"
	/db_xref="taxon:32644"
Query Match	7.5%; Score 9.8; DB 1; Length 14;
Best Local Similarity	84.6%; Pred. No. 1.4e+02;
Matches	11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
QY	1402 TAAAATTGTTAAT 1414
Db	
	2 TAAAATTTGAAT 14
RESULT 257	
A90557	
LOCUS	A90557 linear PAT 22-JAN-2000
DEFINITION	Sequence 738 from Patent EP0856579.
ACCESSION	A90557
VERSION	A90557.1 GI:6739071
KEYWORDS	.
SOURCE	unidentified
ORGANISM	unclassified.
REFERENCE	1 (bases 1 to 14)
AUTHORS	Brysch,W.D. and Schlingensiepen,K.D.
TITLE	An antisense oligonucleotide preparation method
JOURNAL	Patent: EP 0856579-A 738 05-AUG-1998;
FEATURES	BIOGNOSTIK GES (DE)
source	Location/Qualifiers
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	/organism="unidentified"
	/mol_type="unassigned DNA"
	/db_xref="taxon:32644"
Query Match	7.5%; Score 9.8; DB 1; Length 14;
Best Local Similarity	84.6%; Pred. No. 1.4e+02;
Matches	11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
QY	1402 TAAAATTGTTAAT 1414
Db	
	2 TAAAATTTGAAT 14
RESULT 258	
A90606/c	
LOCUS	A90606 linear PAT 22-JAN-2000
DEFINITION	Sequence 787 from Patent EP0856579.
ACCESSION	A90606
VERSION	A90606.1 GI:6739120
KEYWORDS	.
SOURCE	unidentified
ORGANISM	unclassified.
REFERENCE	1 (bases 1 to 14)
AUTHORS	Brysch,W.D. and Schlingensiepen,K.D.
TITLE	An antisense oligonucleotide preparation method
JOURNAL	Patent: EP 0856579-A 738 05-AUG-1998;
FEATURES	BIOGNOSTIK GES (DE)
source	Location/Qualifiers
	1..14
	/organism="unidentified"
	/mol_type="unassigned DNA"
	/db_xref="taxon:32644"
Query Match	7.5%; Score 9.8; DB 1; Length 14;
Best Local Similarity	84.6%; Pred. No. 1.4e+02;
Matches	11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
QY	1402 TAAAATTGTTAAT 1414
Db	
	2 TAAAATTTGAAT 14
RESULT 259	
A90606	
LOCUS	A90606 linear PAT 22-JAN-2000
DEFINITION	Sequence 787 from Patent EP0856579.
ACCESSION	A90606
VERSION	A90606.1 GI:6739120
KEYWORDS	.
SOURCE	unidentified
ORGANISM	unclassified.
REFERENCE	1 (bases 1 to 14)
AUTHORS	Brysch,W.D. and Schlingensiepen,K.D.
TITLE	An antisense oligonucleotide preparation method
JOURNAL	Patent: EP 0856579-A 738 05-AUG-1998;
FEATURES	BIOGNOSTIK GES (DE)
source	Location/Qualifiers
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	/organism="unidentified"
	/mol_type="unassigned DNA"
	/db_xref="taxon:32644"
Query Match	7.5%; Score 9.8; DB 1; Length 14;
Best Local Similarity	84.6%; Pred. No. 1.4e+02;
Matches	11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
QY	1402 TAAAATTGTTAAT 1414
Db	
	2 TAAAATTTGAAT 14

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Query Match      7.5%; Score 9.8; DB 1; Length 14;
Best Local Similarity 84.6%; Pred. No. 1.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1351 GAAGAAAAATATT 1363
Db 13 GAAACAAATATT 1

RESULT 259
AR093390/c
LOCUS AR093390 14 bp DNA linear PAT 08-SEP-2000
DEFINITION Sequence 8 from patent US 6001557.
ACCESSION AR093390
VERSION AR093390.1 GI:10020140
KEYWORDS .
SOURCE Unknown.
ORGANISM Unknown.
REFERENCE 1 (bases 1 to 14)
AUTHORS Wilson,J.M., Fisher,K.J., Chen,S.-J. and Weitzman,M.
TITLE Adenovirus and methods of use thereof
JOURNAL Patent: US 6001557-A 8 14-DEC-1999;
FEATURES Location/Qualifiers
source 1..14
/organism="unknown"
/mol_type="unassigned DNA"

Query Match      7.5%; Score 9.8; DB 1; Length 14;
Best Local Similarity 84.6%; Pred. No. 1.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1353 AGAAAAATATTC 1365
Db 14 AGACAAATATTAC 2

RESULT 260
AR102589
LOCUS AR102589 14 bp DNA linear PAT 14-FEB-2001
DEFINITION Sequence 78 from patent US 6087093.
ACCESSION AR102589
VERSION AR102589.1 GI:12814177
KEYWORDS .
SOURCE Unknown.
ORGANISM Unknown.
REFERENCE 1 (bases 1 to 14)
AUTHORS Lieven,S., Joost,L. and Rudi,R.
TITLE Method for detection of drug-induced mutations in the reverse transcriptase gene
JOURNAL Patent: US 6087093-A 78 11-JUL-2000;
FEATURES Location/Qualifiers
source 1..14
/organism="unknown"
/mol_type="unassigned DNA"

Query Match      7.5%; Score 9.8; DB 1; Length 14;
Best Local Similarity 84.6%; Pred. No. 1.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1441 ATACATGGAGAT 1453
Db 2 ATACATAGATGAT 14

RESULT 261
AR141985/c
LOCUS AR141985 14 bp DNA linear PAT 08-AUG-2001
DEFINITION Sequence 8 from patent US 6174527.
ACCESSION AR141985
VERSION AR141985.1 GI:15102285
KEYWORDS .

Query Match      7.5%; Score 9.8; DB 1; Length 14;
Best Local Similarity 84.6%; Pred. No. 1.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1351 GAAGAAAAATATT 1363
Db 13 GAAACAAATATT 1

RESULT 259
AR093390/c
LOCUS AR093390 14 bp DNA linear PAT 08-SEP-2000
DEFINITION Sequence 8 from patent US 6001557.
ACCESSION AR093390
VERSION AR093390.1 GI:10020140
KEYWORDS .
SOURCE Unknown.
ORGANISM Unknown.
REFERENCE 1 (bases 1 to 14)
AUTHORS Wilson,J.M., Fisher,K.J., Chen,S.-J. and Weitzman,M.
TITLE Adenovirus and methods of use thereof
JOURNAL Patent: US 6001557-A 8 14-DEC-1999;
FEATURES Location/Qualifiers
source 1..14
/organism="unknown"
/mol_type="unassigned DNA"

Query Match      7.5%; Score 9.8; DB 1; Length 14;
Best Local Similarity 84.6%; Pred. No. 1.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1353 AGAAAAATATTC 1365
Db 14 AGACAAATATTAC 2

RESULT 260
AR102589
LOCUS AR102589 14 bp DNA linear PAT 14-FEB-2001
DEFINITION Sequence 78 from patent US 6087093.
ACCESSION AR102589
VERSION AR102589.1 GI:12814177
KEYWORDS .
SOURCE Unknown.
ORGANISM Unknown.
REFERENCE 1 (bases 1 to 14)
AUTHORS Lieven,S., Joost,L. and Rudi,R.
TITLE Method for detection of drug-induced mutations in the reverse transcriptase gene
JOURNAL Patent: US 6087093-A 78 11-JUL-2000;
FEATURES Location/Qualifiers
source 1..14
/organism="unknown"
/mol_type="unassigned DNA"

Query Match      7.5%; Score 9.8; DB 1; Length 14;
Best Local Similarity 84.6%; Pred. No. 1.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1441 ATACATGGAGAT 1453
Db 2 ATACATAGATGAT 14

RESULT 261
AR141985/c
LOCUS AR141985 14 bp DNA linear PAT 08-AUG-2001
DEFINITION Sequence 8 from patent US 6174527.
ACCESSION AR141985
VERSION AR141985.1 GI:15102285
KEYWORDS .

SOURCE Unknown.
ORGANISM Unknown.
REFERENCE 1 (bases 1 to 14)
AUTHORS Wilson,J.M., Kozarsky,K. and Strauss,J. III.
TITLE Methods and compositions for gene therapy for the treatment of defects in lipoprotein metabolism
JOURNAL Patent: US 6174527-A 8 16-JAN-2001;
FEATURES Location/Qualifiers
source 1..14
/organism="unknown"
/mol_type="unassigned DNA"

Query Match      7.5%; Score 9.8; DB 1; Length 14;
Best Local Similarity 84.6%; Pred. No. 1.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1353 AGAAAAATATTC 1365
Db 14 AGACAAATATTAC 2

RESULT 262
AR142590/c
LOCUS AR142590 14 bp DNA linear PAT 08-AUG-2001
DEFINITION Sequence 8 from patent US 6203975.
ACCESSION AR142590
VERSION AR142590.1 GI:15103876
KEYWORDS .
SOURCE Unknown.
ORGANISM Unknown.
REFERENCE 1 (bases 1 to 14)
AUTHORS Wilson,J.M., Fisher,K.J., Chen,S.-J. and Weitzman,M.
TITLE Adenovirus and method of use thereof
JOURNAL Patent: US 6203975-A 8 20-MAR-2001;
FEATURES Location/Qualifiers
source 1..14
/organism="unknown"
/mol_type="unassigned DNA"

Query Match      7.5%; Score 9.8; DB 1; Length 14;
Best Local Similarity 84.6%; Pred. No. 1.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1353 AGAAAAATATTC 1365
Db 14 AGACAAATATTAC 2

RESULT 263
BD271882
LOCUS BD271882 14 bp DNA linear PAT 17-JUL-2003
DEFINITION Expression of foreign genes from IRES transcription cassette in retrovirus vector.
ACCESSION BD271882
VERSION BD271882.1 GI:33081650
KEYWORDS JP 2002542834-A/12.
SOURCE synthetic construct
ORGANISM synthetic construct
artificial sequences.
REFERENCE 1 (bases 1 to 14)
AUTHORS Pederson,F.S., Jespersen,T. and Duch,M.
TITLE Expression of foreign genes from IRES transcription cassette in retrovirus vector
JOURNAL Patent: JP 2002542834-A 12 17-DEC-2002;
COMMENT AARHUS UNIVERSITY
OS Artificial Sequence
PN JP 2002542834-A/12
PD 17-DEC-2002
PF 29-APR-2000 JP 2000615780
PR 29-APR-1999 DK PA 199900584
PI FINN SKOU PEDERSON,THOMAS JESPERSON,MOGENS DUCH PC
```


C12N15/09,A61K35/12,A61K35/76,A61K48/00,A61P43/00,C12N5/06, PC
C12N5/10,
PC C12N7/00,C12N7/02,G01N33/569//((C12N7/00,C12R1:93),C12N15/00,
PC C12N5/00,
PC C12N5/00
CC Description of Artificial Sequence:5 prime of PL of AENGFMK2
FH Key Location/Qualifiers
FT source 1..14
FT Location/Qualifiers
1..14
/organism='Artificial Sequence'.
/organism='synthetic construct'
/mol_type='genomic DNA'
/db_xref='taxon:32630'

FEATURES
source

Query Match 7.5%; Score 9.8; DB 1; Length 14;
Best Local Similarity 84.6%; Pred. No. 1.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1346 CAGGGGAAGAAAA 1358
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Db 1 CACGGGAATAAAA 13

RESULT 264
I58674/c

LOCUS I58674 14 bp DNA linear PAT 07-OCT-1997
DEFINITION Sequence 8 from patent US 5652224.
ACCESSION I58674
VERSION I58674.1 GI:2477912
KEYWORDS
SOURCE Unknown.
ORGANISM Unknown.
REFERENCE 1 (bases 1 to 14)
AUTHORS Wilson,J.M., Kozarsky,K. and Strauss,J. III.
TITLE Methods and compositions for gene therapy for the treatment of defects in lipoprotein metabolism
JOURNAL Patent: US 5652224-A 8 29-JUL-1997;
FEATURES Location/Qualifiers
source 1..14
/organism="unknown"
/mol_type="unassigned DNA"

Query Match 7.5%; Score 9.8; DB 1; Length 14;
Best Local Similarity 84.6%; Pred. No. 1.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1353 AGAAAAATATTCC 1365
||| ||||| |||||
Db 14 AGACAAATATTAC 2

RESULT 265
AR241718/c

LOCUS AR241718 14 bp DNA linear PAT 20-DEC-2002
DEFINITION Sequence 6 from patent US 6472154.
ACCESSION AR241718
VERSION AR241718.1 GI:27287530
KEYWORDS
SOURCE Unknown.
ORGANISM Unknown.
REFERENCE 1 (bases 1 to 14)
AUTHORS Garner,H.R., Wren,J.D., Minna,J.D. and Fondon,J.W. III.
TITLE Polymorphic repeats in human genes
JOURNAL Patent: US 6472154-A 6 29-OCT-2002;
FEATURES Location/Qualifiers
source 1..14
/organism="unknown"
/mol_type="genomic DNA"

Query Match

7.5%; Score 9.8; DB 1; Length 14;

Best Local Similarity 84.6%; Pred. No. 1.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
QY 1430 TATGCACACATAT 1442
||||| ||||| |||||
Db 14 TATGCACACATAT 2

RESULT 266
AR262892

LOCUS AR262892 14 bp DNA linear PAT 29-JAN-2003
DEFINITION Sequence 78 from patent US 6331389.
ACCESSION AR262892
VERSION AR262892.1 GI:28074595
KEYWORDS
SOURCE Unknown.
ORGANISM Unknown.
REFERENCE 1 (bases 1 to 14)
AUTHORS Lieven,S., Joost,L. and Rudi,R.
TITLE Method for detection of drug-induced mutations in the reverse transcriptase gene
JOURNAL Patent: US 6331389-A 78 18-DEC-2001;
FEATURES Location/Qualifiers
source 1..14
/organism="unknown"
/mol_type="genomic DNA"

Query Match 7.5%; Score 9.8; DB 1; Length 14;
Best Local Similarity 84.6%; Pred. No. 1.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1441 ATACATGGAAGAT 1453
||||| ||||| |||||
Db 2 ATACATAGATGAT 14

RESULT 267
AR363706

LOCUS AR363706 14 bp DNA linear PAT 03-SEP-2003
DEFINITION Sequence 5 from patent US 5223407.
ACCESSION AR363706
VERSION AR363706.1 GI:34425645
KEYWORDS
SOURCE Unknown.
ORGANISM Unknown.
REFERENCE 1 (bases 1 to 14)
AUTHORS Wong,W.K.R. and Sutherland,M.L.
TITLE Excretion of heterologous proteins from E. Coli
JOURNAL Patent: US 5223407-A 5 29-JUN-1993;
FEATURES Location/Qualifiers
source 1..14
/organism="unknown"
/mol_type="genomic DNA"

Query Match 7.5%; Score 9.8; DB 1; Length 14;
Best Local Similarity 84.6%; Pred. No. 1.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1396 AGGAGGTAAAT 1408
||||| ||||| |||||
Db 1 AGGAGGAAAAAAT 13

RESULT 268
AR363707

LOCUS AR363707 14 bp DNA linear PAT 03-SEP-2003
DEFINITION Sequence 6 from patent US 5223407.
ACCESSION AR363707
VERSION AR363707.1 GI:34425646
KEYWORDS
SOURCE Unknown.

ORGANISM Unknown.
Unclassified.
REFERENCE 1 (bases 1 to 14)
AUTHORS Wong, W.K.R. and Sutherland, M.L.
TITLE Excretion of heterologous proteins from E. Coli
JOURNAL Patent: US 5223407-A 6 29-JUN-1993;
FEATURES Location/Qualifiers
source 1..14
/organism="unknown"
/mol_type="genomic DNA"

Query Match 7.5%; Score 9.8; DB 1; Length 14;
Best Local Similarity 84.6%; Pred. No. 1.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1396 AGGAGGTAATAATT 1408
Db 1 AGGAGGAATAAAT 13

RESULT 269
AR408030/c
LOCUS AR408030 14 bp RNA linear PAT 18-DEC-2003
DEFINITION Sequence 123 from patent US 6632057.
ACCESSION AR408030
VERSION AR408030.1 GI:40158017
KEYWORDS
SOURCE Unknown.
ORGANISM Unknown.
Unclassified.
REFERENCE 1 (bases 1 to 14)
AUTHORS Fauchet, C.R.J.
TITLE Fixing unit with an end imprint in a threaded terminal portion
JOURNAL Patent: US 6632057-A 123 14-OCT-2003;
FEATURES Location/Qualifiers
source 1..14
/organism="unknown"
/mol_type="unassigned RNA"

Query Match 7.5%; Score 9.8; DB 1; Length 14;
Best Local Similarity 84.6%; Pred. No. 1.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1380 ATCGTCTTCTGAT 1392
Db 13 ATCTTCTTCTGCT 1

RESULT 270
AX045731
LOCUS AX045731 14 bp DNA linear PAT 24-NOV-2000
DEFINITION Sequence 12 from Patent WO0066758.
ACCESSION AX045731
VERSION AX045731.1 GI:11344101
KEYWORDS
SOURCE synthetic construct
ORGANISM synthetic construct
artificial sequences.

REFERENCE 1
AUTHORS Pederson, F.S., Jespersen, T. and Duch, M.
TITLE Expression of heterologous genes from an ires translational cassette in retroviral vectors
JOURNAL Patent: WO 0066758-A 12 09-NOV-2000;
Aarhus University (DK)
FEATURES Location/Qualifiers
source 1..14
/organism="synthetic construct"
/mol_type="unassigned DNA"
/db_xref="taxon:32630"
/note="5 prime of PL of AENGFMK2"

Query Match 7.5%; Score 9.8; DB 1; Length 14;
Best Local Similarity 84.6%; Pred. No. 1.4e+02;

Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1346 CAGGGGAAGAAAA 1358
Db 1 CACGGGAATAAAA 13

RESULT 271
AX571850
LOCUS AX571850 14 bp DNA linear PAT 29-MAY-2003
DEFINITION Sequence 9 from Patent WO02077274.
ACCESSION AX571850
VERSION AX571850.1 GI:26003984
KEYWORDS
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

REFERENCE 1
AUTHORS Blanche, F. and Cameron, B.
TITLE Methods for purifying and detecting double stranded dna target sequences by triple helix interaction
JOURNAL Patent: WO 02077274-A 9 03-OCT-2002;
Aventis Pharma S.A. (FR)
FEATURES Location/Qualifiers
source 1..14
/organism="Homo sapiens"
/mol_type="unassigned DNA"
/db_xref="taxon:9606"

Query Match 7.5%; Score 9.8; DB 1; Length 14;
Best Local Similarity 84.6%; Pred. No. 1.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1347 AGGGGAAGAAAA 1359
Db 2 AGGAGAAGAAGAA 14

RESULT 272
AX572321
LOCUS AX572321 14 bp DNA linear PAT 29-NOV-2002
DEFINITION Sequence 361 from Patent WO02055741.
ACCESSION AX572321
VERSION AX572321.1 GI:26004411
KEYWORDS
SOURCE Human immunodeficiency virus
ORGANISM Human immunodeficiency virus
Viruses; Retroviral viruses; Retroviridae; Lentivirus; Primate
lentivirus group.

REFERENCE 1
AUTHORS de Smet, K. and Stuyver, L.
TITLE Method for detection of drug-induced mutations in the hiv reverse transcriptase gene
JOURNAL Patent: WO 02055741-A 361 18-JUL-2002;
INNOGENETICS N.V. (BE)
FEATURES Location/Qualifiers
source 1..14
/organism="Human immunodeficiency virus"
/mol_type="unassigned DNA"
/db_xref="taxon:12721"

Query Match 7.5%; Score 9.8; DB 1; Length 14;
Best Local Similarity 84.6%; Pred. No. 1.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1437 ACATATACATCGA 1449
Db 1 ACCAATACATCGA 13

RESULT 273
AX572338

LOCUS AX572338 14 bp DNA linear PAT 29-NOV-2002
DEFINITION Sequence 378 from Patent WO02055741.
ACCESSION AX572338
VERSION AX572338.1 GI:26004428
KEYWORDS Human immunodeficiency virus
SOURCE Human immunodeficiency virus
ORGANISM Viruses; Retroid viruses; Retroviridae; Lentivirus; Primate
lentivirus group.

REFERENCE 1
AUTHORS de Smet,K. and Stuyver,L.
TITLE Method for detection of drug-induced mutations in the hiv reverse
transcriptase gene
JOURNAL Patent: WO 02055741-A 378 18-JUL-2002;
INNOGENETICS N.V. (BE)

FEATURES
source Location/Qualifiers
1..14
/organism="Human immunodeficiency virus"
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Query Match 7.5%; Score 9.8; DB 1; Length 14;
Best Local Similarity 84.6%; Pred. No. 1.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1441 ATACATGGAGAT 1453
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Db 2 ATACGTGGATGAT 14

RESULT 274
BD066103
LOCUS BD066103 14 bp DNA linear PAT 27-AUG-2002
DEFINITION An antisense oligonucleotide preparation method.
ACCESSION BD066103
VERSION BD066103.1 GI:22611706
KEYWORDS JP 2001511000-A/738.
SOURCE unidentified
ORGANISM unclassified.

REFERENCE 1 (bases 1 to 14)
AUTHORS Schlingensiepen,K.H. and Brysch,W.
TITLE An antisense oligonucleotide preparation method
JOURNAL Patent: JP 2001511000-A 738 07-AUG-2001;
BIOGNOSTIK GESELLSCHAFT FUR BIOMOLEKULARE DIAGNOSTIK MBH
COMMENT OS Unknown
PN JP 2001511000-A/738
PD 07-AUG-2001
PF 30-JAN-1998 JP 1998532533
PR 31-JAN-1997 EP 97101531.8
PI KARL HERMANN SCHLINGENSIEPEN,WOLFGANG BRYSCH
PC C12N15/11,C07H21/04,A61K31/70
CC An antisense oligonucleotide preparation method FH Key
FT Location/Qualifiers
FT source 1..14
/organism='Unknown'.
Location/Qualifiers
1..14
/organism="unidentified"
/mol_type="genomic DNA"
/db_xref="taxon:32644"

Query Match 7.5%; Score 9.8; DB 1; Length 14;
Best Local Similarity 84.6%; Pred. No. 1.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1402 TAAAATTGTTAAT 1414
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Db 2 TAAAATTTGAAT 14

RESULT 275
BD066152/c

LOCUS BD066152 14 bp DNA linear PAT 27-AUG-2002
DEFINITION An antisense oligonucleotide preparation method.
ACCESSION BD066152
VERSION BD066152.1 GI:22611755
KEYWORDS JP 2001511000-A/787.
SOURCE unidentified
ORGANISM unidentified
unclassified.

REFERENCE 1 (bases 1 to 14)
AUTHORS Schlingensiepen,K.H. and Brysch,W.
TITLE An antisense oligonucleotide preparation method
JOURNAL Patent: JP 2001511000-A 787 07-AUG-2001;
BIOGNOSTIK GESELLSCHAFT FUR BIOMOLEKULARE DIAGNOSTIK MBH
COMMENT OS Unknown
PN JP 2001511000-A/787
PD 07-AUG-2001
PF 30-JAN-1998 JP 1998532533
PR 31-JAN-1997 EP 97101531.8
PI KARL HERMANN SCHLINGENSIEPEN,WOLFGANG BRYSCH
PC C12N15/11,C07H21/04,A61K31/70
CC An antisense oligonucleotide preparation method FH Key
FT Location/Qualifiers
FT source 1..14
/organism='Unknown'.
Location/Qualifiers
1..14
/organism="unidentified"
/mol_type="genomic DNA"
/db_xref="taxon:32644"

FEATURES
source Location/Qualifiers
1..14
/organism="unidentified"
/mol_type="genomic DNA"
/db_xref="taxon:32644"

Query Match 7.5%; Score 9.8; DB 1; Length 14;
Best Local Similarity 84.6%; Pred. No. 1.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1351 GAAGAAAATATT 1363
|||||
Db 13 GAAACAATATT 1

RESULT 276
AX017787

LOCUS AX017787 22 bp DNA linear PAT 07-SEP-2000
DEFINITION Sequence 16 from Patent WO9946404.
ACCESSION AX017787
VERSION AX017787.1 GI:10042394
KEYWORDS Hordeum vulgare
SOURCE Hordeum vulgare
ORGANISM Hordeum vulgare
Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
Spermatophyta; Magnoliophyta; Liliopsida; Poales; Poaceae;
Pooideae; Triticeae; Hordeum.

REFERENCE 1
AUTHORS Ramsey,L.D., Powell,W., Waugh,R., Swanston,J.S. and Thomas,W.T.
TITLE Dna sequences and their use for the selection of cereals
JOURNAL Patent: WO 9946404-A 16 16-SEP-1999;
RAMSEY LUKE DOUGLAS (GB); SCOTTISH CROP RESEARCH INST (GB); POWELL
WAYNE (GB); WAUGH ROBERT (GB); SWANSTON JOHN STUART (GB); THOMAS
WILLIAM THEODORE BLAYNE (GB)
FT Location/Qualifiers
FT source 1..22
/organism="Hordeum vulgare"
/mol_type="unassigned DNA"
/db_xref="taxon:4513"

Query Match 7.1%; Score 9.2; DB 1; Length 22;
Best Local Similarity 63.6%; Pred. No. 2.3e+02;
Matches 14; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

QY 1428 TCTATGCAGACATATACATGGA 1449
|||||
Db 1 TCCATGATGATGTGTCATAGA 22

```
RESULT 277
AR374279/c      AR374279      14 bp      DNA      linear      PAT 18-DEC-2003
LOCUS           Sequence 10 from patent US 6605431.
DEFINITION
ACCESSION      AR374279
VERSION        AR374279.1  GI:40076994
KEYWORDS
SOURCE          Unknown.
ORGANISM        Unknown.
                Unclassified.
REFERENCE       1 (bases 1 to 14)
AUTHORS        Gourse,R.L., Estrem,S.T., Ross,W.E. and Gaal,T.
TITLE          Promoter elements and methods of use
JOURNAL        Patent: US 6605431-A 10 12-AUG-2003;
FEATURES       Location/Qualifiers
                source
                1..14
                /organism="unknown"
                /mol_type="genomic DNA"

                Query Match      6.9%; Score 9; DB 1; Length 14;
                Best Local Similarity 100.0%; Pred. No. 2.1e+02;
                Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1355 AAAAATATT 1363
Db      13 AAAAATATT 5

RESULT 278
A04336/c
LOCUS           A04336      12 bp      DNA      linear      PAT 15-APR-1993
DEFINITION      Nucleotide sequence 13 from patent number WO8300346.
ACCESSION      A04336
VERSION        A04336.1  GI:344881
KEYWORDS
SOURCE          synthetic construct
ORGANISM        synthetic construct
                artificial sequences.
REFERENCE       1 (bases 1 to 12)
AUTHORS
JOURNAL        Patent: WO 8300346-A 13 03-FEB-1983;
FEATURES       Location/Qualifiers
                source
                1..12
                /organism="synthetic construct"
                /mol_type="unassigned DNA"
                /db_xref="taxon:32630"

                Query Match      6.8%; Score 8.8; DB 1; Length 12;
                Best Local Similarity 83.3%; Pred. No. 2.1e+02;
                Matches 10; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      1455 GGTGATCAAC 1466
Db      12 GTTGATCAAC 1

Search completed: April 7, 2004, 06:58:03
Job time : 2 secs
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OM nucleic - nucleic search, using sw model

Run on: April 7, 2004, 07:00:45 ; Search time 1 Seconds
(without alignments)
3.126 Million cell updates/sec

Title: us-10-006-911-3
Perfect score: 130
Sequence: 1 tcaggggaagaaaatattc.....ggttgatcaagcaaatagga 130

Scoring table: IDENTITY NUC
Gapop 10.0 , Gapext 0.5

Searched: 881 seqs, 12022 residues
Total number of hits satisfying chosen parameters: 1762

Minimum DB seq length: 8
Maximum DB seq length: 50

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 882 summaries

Database : rng.seq.*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match %	Length	ID	Description
C 1	20	15.4	20	1	Human collapsin re
C 2	20	15.4	20	1	Human collapsin re
C 3	20	15.4	20	1	Human collapsin re
C 4	20	15.4	20	1	Human collapsin re
C 5	20	15.4	20	1	Human collapsin re
C 6	20	15.4	20	1	Human collapsin re
C 7	20	15.4	20	1	Human collapsin re
C 8	15.6	12.0	22	1	PCR primer Bmag5Fo
C 9	15.2	11.7	20	1	Human ADAM10 mRNA
10	15.2	11.7	20	1	Human PTP1B antise
11	15.2	11.7	20	1	Capture oligonucle
C 12	15.2	11.7	20	1	Human CD81/TAPA-1
13	14.8	11.4	20	1	Putative NFAT bind
14	14.8	11.4	20	1	Human NF-AT binding
15	14.8	11.4	20	1	NF-AT DNA binding
C 16	14.4	11.1	17	1	Tumour suppression
17	14.2	10.9	20	1	PCR primer used to
C 18	14.2	10.9	20	1	PCR primer used to
19	14.2	10.9	20	1	Dog genomic marker
C 20	14.2	10.9	20	1	Human oligonucleot
21	14	10.8	18	1	Guanylate kinase g
C 22	13.8	10.6	17	1	Human HTPL scannin
23	13.8	10.6	17	1	Human ERG hammerhe
C 24	13.8	10.6	17	1	Plant growth assoc
25	13.8	10.6	18	1	Human glial cell d
26	13.8	10.6	18	1	Human EPST11 exon
27	13.8	10.6	19	1	Cyclin A1 ribozyme
C 28	13.8	10.6	19	1	Human biallelic ma
29	13.8	10.6	19	1	Cyclin A1 ribozyme
30	13.4	10.3	17	1	Human B-raf substr
31	13.4	10.3	17	1	Human B-raf substr
32	13.4	10.3	17	1	Human ERG hammerhe
33	13.4	10.3	17	1	HIV-1 reverse tran

34	13.4	10.3	17	1	ABZ34117	HIV-1 reverse tran
C 35	13.4	10.3	17	1	AAD56453	2'F-ANA antisense
C 36	13.4	10.3	17	1	AAD56443	CAT antisense olig
37	13.4	10.3	18	1	ABZ34116	HIV-1 reverse tran
C 38	13.2	10.2	18	1	AAT80036	Alpha2 integrin pr
39	13.2	10.2	18	1	AAZ17884	RT-PCR primer spec
40	13.2	10.2	18	1	AAZ18050	CNX embryonic gene
41	13.2	10.2	18	1	AAZ17882	RT-PCR primer spec
42	13.2	10.2	18	1	AAZ18048	CNX embryonic gene
C 43	13.2	10.2	18	1	AAA07064	Human integrin bet
C 44	13	10.0	13	1	ABH37069	Oligonucleotide SE
45	13	10.0	13	1	ABF73483	Oligonucleotide SE
C 46	13	10.0	13	1	ABF73482	Oligonucleotide SE
47	13	10.0	13	1	ABH37068	Oligonucleotide SE
C 48	13	10.0	17	1	AAF03083	Hammerhead ribozym
C 49	13	10.0	17	1	AAF03082	Hammerhead ribozym
C 50	13	10.0	17	1	AAF03081	Hammerhead ribozym
C 51	13	10.0	17	1	AAF03079	Hammerhead ribozym
C 52	13	10.0	17	1	AAF03080	Hammerhead ribozym
C 53	13	10.0	17	1	AAF03085	Hammerhead ribozym
54	13	10.0	17	1	ACC51406	Human tumour suppr
C 55	12.8	9.8	17	1	AAV91002	Human C-raf target
56	12.8	9.8	17	1	AAF03157	Hammerhead ribozym
C 57	12.8	9.8	17	1	AAC82073	Enterobacter sp gy
C 58	12.8	9.8	17	1	ABV79884	Human HTPL scannin
C 59	12.8	9.8	17	1	ABV79886	Human HTPL scannin
60	12.8	9.8	17	1	ABK17389	Human ERG hammerhe
61	12.8	9.8	17	1	ABK18744	Human ERG DNAzyme
62	12.8	9.8	17	1	ABK18928	Human ERG DNAzyme
63	12.8	9.8	17	1	ABK18743	Human ERG DNAzyme
C 64	12.8	9.8	17	1	ACC53240	Human tumour suppr
C 65	12.8	9.8	17	1	ABT38708	Tumour suppression
C 66	12.8	9.8	17	1	ABT37232	Tumour suppression
C 67	12.8	9.8	17	1	ABT37359	Tumour suppression
68	12.8	9.8	17	1	ACC66008	Murine oligonucleo
69	12.8	9.8	17	1	ACC64817	Murine oligonucleo
C 70	12.8	9.8	17	1	ADB42628	Tumour suppression
71	12.8	9.8	17	1	ADB42519	Tumour suppression
C 72	12.8	9.8	17	1	ADB42671	Tumour suppression
73	12.8	9.8	18	1	AAV09878	Human biallelic po
74	12.8	9.8	18	1	ACA60978	Firefly luciferase
75	12.4	9.5	15	1	AAV31573	Tag sequence of a
76	12.4	9.5	15	1	ABK32527	Human pancreatic c
77	12.4	9.5	17	1	AAV95372	Human c-fos target
78	12.4	9.5	17	1	AAV95373	Human c-fos target
79	12.4	9.5	17	1	AAV95374	Human c-fos target
80	12.4	9.5	17	1	AAF03011	Hammerhead ribozym
81	12.4	9.5	17	1	AAF04292	Hammerhead ribozym
82	12.4	9.5	17	1	AAF04740	Hammerhead ribozym
83	12.4	9.5	17	1	AAF03012	Hammerhead ribozym
C 84	12.4	9.5	17	1	ABV79887	Human HTPL scannin
C 85	12.4	9.5	17	1	ABV79887	Human HTPL scannin
86	12.4	9.5	17	1	ACD57592	HCV DNAzyme substr
87	12.4	9.5	17	1	ACD57593	HCV DNAzyme substr
C 88	12.4	9.5	17	1	ACD65077	HCV minus strand D
C 89	12.4	9.5	17	1	ACD65076	HCV minus strand D
90	12.4	9.5	17	1	ADB42391	Tumour suppression
C 91	12.4	9.5	17	1	ADB41556	Tumour suppression
C 92	12.2	9.4	17	1	AAV73104	Mouse flk-1 VEGF r
93	12.2	9.4	17	1	AAV72807	Mouse flk-1 VEGF r
94	12.2	9.4	17	1	AAA22769	Integrin subunit b
95	12.2	9.4	17	1	AAF06329	Hammerhead ribozym
96	12.2	9.4	17	1	AAF06086	Hammerhead ribozym
C 97	12.2	9.4	17	1	ABK03222	Human CD20 Inozyme
C 98	12.2	9.4	17	1	ABK01312	Human NOGO Inozyme
99	12.2	9.4	17	1	ABK18533	Human ERG G-cleave
100	12.2	9.4	17	1	ABK19156	Human ERG Amberzym
101	12.2	9.4	17	1	ABK19155	Human ERG Amberzym
102	12.2	9.4	17	1	ACC51306	Human tumour suppr
103	12.2	9.4	17	1	ACC51977	Human tumour suppr
104	12.2	9.4	17	1	ACA99709	G-protein coupled
105	12.2	9.4	17	1	ABT36584	Tumour suppression
106	12.2	9.4	17	1	ABT38096	Tumour suppression

C 107	12.2	9.4	17	1	ACA06833	NFKB sub-unit modu	C 180	11.4	8.8	13	1	ABC56883	Oligonucleotide SE
C 108	12.2	9.4	17	1	ABZ60049	Human K-Ras DNazym	C 181	11.4	8.8	13	1	ABF36994	Oligonucleotide SE
C 109	12.2	9.4	17	1	ACC67934	Murine oligonucleo	182	11.4	8.8	13	1	ABH23979	Oligonucleotide SE
110	12.2	9.4	17	1	ACC64079	Murine oligonucleo	C 183	11.4	8.8	13	1	ABC64653	Oligonucleotide SE
111	12.2	9.4	17	1	ADB42007	Tumour suppression	C 184	11.4	8.8	13	1	ABF73480	Oligonucleotide SE
C 112	12.2	9.4	17	1	ADB41408	Tumour suppression	C 185	11.4	8.8	13	1	ABF54361	Oligonucleotide SE
C 113	12.2	9.4	17	1	ADB43610	Tumour suppression	C 186	11.4	8.8	13	1	ABF37377	Oligonucleotide SE
114	12.2	9.4	17	1	ADB44998	Tumour suppression	C 187	11.4	8.8	13	1	ABF71587	Oligonucleotide SE
115	12.2	9.4	17	1	ADE25135	Plant growth assoc	C 188	11.4	8.8	13	1	ABF54360	Oligonucleotide SE
C 116	12	9.2	12	1	ABI58638	Oligonucleotide pr	C 189	11.4	8.8	13	1	ABF38957	Oligonucleotide SE
C 117	12	9.2	12	1	ABH75215	Oligonucleotide pr	C 190	11.4	8.8	13	1	ABF51705	Oligonucleotide SE
C 118	12	9.2	12	1	ABI70837	Oligonucleotide pr	C 191	11.4	8.8	13	1	ABH37073	Oligonucleotide SE
C 119	12	9.2	13	1	ABC95961	Oligonucleotide SE	C 192	11.4	8.8	13	1	ABC59923	Oligonucleotide SE
C 120	12	9.2	13	1	ABF58579	Oligonucleotide SE	C 193	11.4	8.8	13	1	ABC38138	Oligonucleotide SE
C 121	12	9.2	13	1	ABF73478	Oligonucleotide SE	194	11.4	8.8	13	1	ABC64652	Oligonucleotide SE
C 122	12	9.2	13	1	ABF73479	Oligonucleotide SE	195	11.4	8.8	13	1	ABH16258	Oligonucleotide SE
123	12	9.2	13	1	ABF22878	Oligonucleotide SE	196	11.4	8.8	13	1	ABC44772	Oligonucleotide SE
124	12	9.2	13	1	ABF5960	Oligonucleotide SE	197	11.4	8.8	13	1	ABC83712	Oligonucleotide SE
125	12	9.2	13	1	ABF42022	Oligonucleotide SE	198	11.4	8.8	13	1	ABH37043	Oligonucleotide SE
126	12	9.2	13	1	ABH45026	Oligonucleotide SE	C 199	11.4	8.8	13	1	ABF89808	Oligonucleotide SE
C 127	12	9.2	13	1	ABF42023	Oligonucleotide SE	200	11.4	8.8	13	1	ABC85486	Oligonucleotide SE
C 128	12	9.2	13	1	ABH45027	Oligonucleotide SE	201	11.4	8.8	13	1	ABC38139	Oligonucleotide SE
C 129	12	9.2	13	1	ABF22879	Oligonucleotide SE	202	11.4	8.8	13	1	ABC63922	Oligonucleotide SE
C 130	12	9.2	13	1	ABF58578	Oligonucleotide SE	203	11.4	8.8	13	1	ABC66936	Oligonucleotide SE
C 131	12	9.2	15	1	AAF52309	IGF-I oligonucleot	C 204	11.4	8.8	13	1	ABF72423	Oligonucleotide SE
C 132	12	9.2	15	1	AAF52307	IGF-I oligonucleot	C 205	11.4	8.8	13	1	ABF50144	Oligonucleotide SE
C 133	12	9.2	15	1	AAF52310	IGF-I oligonucleot	C 206	11.4	8.8	13	1	ABH16257	Oligonucleotide SE
C 134	12	9.2	15	1	AAF52308	IGF-I oligonucleot	207	11.4	8.8	13	1	ABC56882	Oligonucleotide SE
135	12	9.2	15	1	AAD32444	Human OR1G1 gene p	208	11.4	8.8	13	1	ABC59922	Oligonucleotide SE
C 136	12	9.2	17	1	AAF01730	Hammerhead ribozym	209	11.4	8.8	13	1	ABH31582	Oligonucleotide SE
C 137	12	9.2	17	1	AAF01728	Hammerhead ribozym	C 210	11.4	8.8	13	1	ABH37042	Oligonucleotide SE
138	12	9.2	17	1	AAF03333	Hammerhead ribozym	C 211	11.4	8.8	13	1	ABC83713	Oligonucleotide SE
C 139	12	9.2	17	1	AAF03084	Hammerhead ribozym	212	11.4	8.8	13	1	ABF37726	Oligonucleotide SE
C 140	12	9.2	17	1	AAF01729	Hammerhead ribozym	C 213	11.4	8.8	13	1	ABH21403	Oligonucleotide SE
141	12	9.2	17	1	AAF03334	Hammerhead ribozym	C 214	11.4	8.8	13	1	ABH31583	Oligonucleotide SE
C 142	12	9.2	17	1	AAF01731	Hammerhead ribozym	C 215	11.4	8.8	13	1	ABH37071	Oligonucleotide SE
C 143	12	9.2	17	1	ACC63894	Murine oligonucleo	216	11.4	8.8	13	1	ABH16256	Oligonucleotide SE
144	11.8	9.1	15	1	AAT54301	Human IL-5 hammerh	C 217	11.4	8.8	13	1	ABH16259	Oligonucleotide SE
C 145	11.8	9.1	15	1	AAX31212	Tag sequence of a	C 218	11.4	8.8	13	1	ABC99865	Oligonucleotide SE
146	11.8	9.1	15	1	AAF50408	IGF-I oligonucleot	C 219	11.4	8.8	13	1	ABF61093	Oligonucleotide SE
147	11.8	9.1	15	1	AAF46528	IGFBP2 oligonucleo	C 220	11.4	8.8	13	1	ABH37070	Oligonucleotide SE
148	11.8	9.1	15	1	AAF50407	IGF-I oligonucleot	221	11.4	8.8	13	1	ABH37072	Oligonucleotide SE
149	11.8	9.1	15	1	AAF50406	IGF-I oligonucleot	222	11.4	8.8	13	1	ABC46232	Oligonucleotide SE
150	11.8	9.1	15	1	AAF46529	IGFBP2 oligonucleo	C 223	11.4	8.8	13	1	ABC97181	Oligonucleotide SE
C 151	11.8	9.1	15	1	AAF48105	IGFBP3 oligonucleo	C 224	11.4	8.8	13	1	ABC85487	Oligonucleotide SE
C 152	11.8	9.1	15	1	ABK32166	Human colon cancer	C 225	11.4	8.8	13	1	ABC64447	Oligonucleotide SE
153	11.8	9.1	16	1	AAN70234	Sequence of domain	226	11.4	8.8	13	1	ABF73481	Oligonucleotide SE
C 154	11.8	9.1	16	1	AAQ83356	Jub-B antisense ol	C 227	11.4	8.8	13	1	ABH23978	Oligonucleotide SE
C 155	11.8	9.1	16	1	AAT36420	Human papillomavir	228	11.4	8.8	13	1	ABF51704	Oligonucleotide SE
156	11.8	9.1	16	1	ABZ34141	HIV-1 reverse tran	C 229	11.4	8.8	14	1	ACA61892	Oligonucleotide SE
C 157	11.6	8.9	13	1	ABF89702	Oligonucleotide SE	230	11.4	8.8	15	1	AAT49821	RT-PCR primer for
158	11.6	8.9	13	1	ABF89703	Oligonucleotide SE	231	11.4	8.8	15	1	AAT49669	Human CETP HH ribo
C 159	11.4	8.8	13	1	ABC46233	Oligonucleotide SE	232	11.4	8.8	15	1	AAT98966	Probe 184w25 for w
160	11.4	8.8	13	1	ABC97180	Oligonucleotide SE	C 233	11.4	8.8	15	1	AAT68586	Plasmid pSM700 CBS
161	11.4	8.8	13	1	ABC64446	Oligonucleotide SE	C 234	11.4	8.8	15	1	AAX31805	Transcript tag seq
162	11.4	8.8	13	1	ABF36995	Oligonucleotide SE	235	11.4	8.8	15	1	AAX31143	Tag sequence of a
163	11.4	8.8	13	1	ABF38956	Oligonucleotide SE	C 236	11.4	8.8	15	1	AAX31156	Tag sequence of a
164	11.4	8.8	13	1	ABF72422	Oligonucleotide SE	C 237	11.4	8.8	15	1	AAV93864	Target sequence wi
165	11.4	8.8	13	1	ABF50145	Oligonucleotide SE	C 238	11.4	8.8	15	1	AAV93863	Target sequence wi
166	11.4	8.8	13	1	ABF61092	Oligonucleotide SE	239	11.4	8.8	15	1	AAF46527	IGFBP2 oligonucleo
167	11.4	8.8	13	1	ABF89809	Oligonucleotide SE	240	11.4	8.8	15	1	AAF46526	IGFBP2 oligonucleo
C 168	11.4	8.8	13	1	ABC66937	Oligonucleotide SE	241	11.4	8.8	15	1	ABK32096	Human colon cancer
C 169	11.4	8.8	13	1	ABF37727	Oligonucleotide SE	C 242	11.4	8.8	15	1	ABK32109	Human colon cancer
170	11.4	8.8	13	1	ABF54799	Oligonucleotide SE	C 243	11.4	8.8	15	1	ABK32759	Human colorectal a
171	11.4	8.8	13	1	ABC99864	Oligonucleotide SE	244	11.4	8.8	15	1	ABI99064	Human PCDH2 ASO pr
172	11.4	8.8	13	1	ABH21402	Oligonucleotide SE	C 245	11.4	8.8	15	1	AAL54230	RNAP recognition a
C 173	11.4	8.8	13	1	ABC63923	Oligonucleotide SE	246	11.4	8.8	15	1	ABV76208	Nicotinamide N-met
174	11.4	8.8	13	1	ABF45726	Oligonucleotide SE	247	11.4	8.8	16	1	AAT98967	Probe 184w26 for w
C 175	11.4	8.8	13	1	ABF54798	Oligonucleotide SE	C 248	11.4	8.8	16	1	ABK41364	Human eIF2Bgamma r
176	11.4	8.8	13	1	ABF37376	Oligonucleotide SE	249	11.4	8.8	16	1	ABZ34088	HIV-1 reverse tran
C 177	11.4	8.8	13	1	ABF45727	Oligonucleotide SE	250	11.4	8.8	16	1	ABZ34091	HIV-1 reverse tran
178	11.4	8.8	13	1	ABF71586	Oligonucleotide SE	251	11.2	8.6	16	1	ABZ34127	HIV-1 reverse tran
C 179	11.4	8.8	13	1	ABC44773	Oligonucleotide SE	252	11.2	8.6	16	1	ABZ34121	HIV-1 reverse tran

C 253	11	8.5	11	1	AAX14909	Triple helix third	Oligonucleotide SE
254	11	8.5	11	1	ABI60621	Oligonucleotide pr	Oligonucleotide SE
255	11	8.5	11	1	ABH82139	Oligonucleotide pr	Oligonucleotide SE
256	11	8.5	11	1	ABH68622	Oligonucleotide pr	Oligonucleotide SE
257	11	8.5	11	1	ABH83672	Oligonucleotide pr	Oligonucleotide SE
258	11	8.5	11	1	ABI35090	Oligonucleotide pr	Oligonucleotide SE
259	11	8.5	11	1	ABH79380	Oligonucleotide pr	Oligonucleotide SE
260	11	8.5	11	1	ABH82138	Oligonucleotide pr	Oligonucleotide SE
261	11	8.5	11	1	ABH85259	Oligonucleotide pr	Oligonucleotide SE
262	11	8.5	11	1	ABI78224	Oligonucleotide pr	Oligonucleotide SE
C 263	11	8.5	11	1	ABI38916	Oligonucleotide pr	Oligonucleotide SE
C 264	11	8.5	11	1	ABI78223	Oligonucleotide pr	Oligonucleotide SE
265	11	8.5	11	1	ABH76346	Oligonucleotide pr	Oligonucleotide SE
C 266	11	8.5	11	1	ABH82398	Oligonucleotide pr	Oligonucleotide SE
C 267	11	8.5	11	1	ABI64510	Oligonucleotide pr	Oligonucleotide SE
C 268	11	8.5	11	1	ABI34761	Oligonucleotide pr	Oligonucleotide SE
C 269	11	8.5	11	1	ABI81409	Oligonucleotide pr	Oligonucleotide SE
C 270	11	8.5	11	1	ABI57934	Oligonucleotide pr	Oligonucleotide SE
C 271	11	8.5	11	1	ABI15258	Oligonucleotide pr	Oligonucleotide SE
C 272	11	8.5	11	1	ABI53454	Oligonucleotide pr	Oligonucleotide SE
C 273	11	8.5	11	1	ABH88491	Oligonucleotide pr	Oligonucleotide SE
274	11	8.5	11	1	ABI45142	Oligonucleotide pr	Oligonucleotide SE
275	11	8.5	11	1	ABI47820	Oligonucleotide pr	Oligonucleotide SE
276	11	8.5	11	1	ABC26397	Oligonucleotide SE	Oligonucleotide SE
277	11	8.5	11	1	ABC16449	Oligonucleotide SE	Oligonucleotide SE
C 278	11	8.5	11	1	ABF43214	Oligonucleotide SE	Oligonucleotide SE
C 279	11	8.5	11	1	ABF71859	Oligonucleotide SE	Oligonucleotide SE
281	11	8.5	11	1	ABF51884	Oligonucleotide SE	Oligonucleotide SE
282	11	8.5	11	1	ABH34288	Oligonucleotide SE	Oligonucleotide SE
283	11	8.5	11	1	ABF59619	Oligonucleotide SE	Oligonucleotide SE
C 284	11	8.5	11	1	ABF59620	Oligonucleotide SE	Oligonucleotide SE
C 285	11	8.5	11	1	ABH59861	Oligonucleotide SE	Oligonucleotide SE
C 286	11	8.5	11	1	ABC00087	Oligonucleotide SE	Oligonucleotide SE
C 287	11	8.5	11	1	ABC30738	Oligonucleotide SE	Oligonucleotide SE
288	11	8.5	11	1	ABC88578	Oligonucleotide SE	Oligonucleotide SE
289	11	8.5	11	1	ABF21400	Oligonucleotide SE	Oligonucleotide SE
290	11	8.5	11	1	ABF38230	Oligonucleotide SE	Oligonucleotide SE
291	11	8.5	11	1	ABF71681	Oligonucleotide SE	Oligonucleotide SE
292	11	8.5	11	1	ABH22014	Oligonucleotide SE	Oligonucleotide SE
C 293	11	8.5	11	1	ABF74985	Oligonucleotide SE	Oligonucleotide SE
294	11	8.5	11	1	ABH48500	Oligonucleotide SE	Oligonucleotide SE
295	11	8.5	11	1	ABF39299	Oligonucleotide SE	Oligonucleotide SE
296	11	8.5	11	1	ABH17529	Oligonucleotide SE	Oligonucleotide SE
C 297	11	8.5	11	1	ABF71680	Oligonucleotide SE	Oligonucleotide SE
298	11	8.5	11	1	ABH59860	Oligonucleotide SE	Oligonucleotide SE
C 299	11	8.5	11	1	ABC11447	Oligonucleotide SE	Oligonucleotide SE
C 300	11	8.5	11	1	ABH17528	Oligonucleotide SE	Oligonucleotide SE
C 301	11	8.5	11	1	ABH12496	Oligonucleotide SE	Oligonucleotide SE
C 302	11	8.5	11	1	ABH16302	Oligonucleotide SE	Oligonucleotide SE
C 303	11	8.5	11	1	ABC53366	Oligonucleotide SE	Oligonucleotide SE
304	11	8.5	11	1	ABC11446	Oligonucleotide SE	Oligonucleotide SE
305	11	8.5	11	1	ABC39522	Oligonucleotide SE	Oligonucleotide SE
C 306	11	8.5	11	1	ABH17320	Oligonucleotide SE	Oligonucleotide SE
307	11	8.5	11	1	ABF34330	Oligonucleotide SE	Oligonucleotide SE
C 308	11	8.5	11	1	ABH22015	Oligonucleotide SE	Oligonucleotide SE
309	11	8.5	11	1	ABF59621	Oligonucleotide SE	Oligonucleotide SE
310	11	8.5	11	1	ABF37536	Oligonucleotide SE	Oligonucleotide SE
311	11	8.5	11	1	ABF74984	Oligonucleotide SE	Oligonucleotide SE
C 312	11	8.5	11	1	ABF51885	Oligonucleotide SE	Oligonucleotide SE
313	11	8.5	11	1	ABH12210	Oligonucleotide SE	Oligonucleotide SE
C 314	11	8.5	11	1	ABC96932	Oligonucleotide SE	Oligonucleotide SE
315	11	8.5	11	1	ABC00086	Oligonucleotide SE	Oligonucleotide SE
316	11	8.5	11	1	ABF45427	Oligonucleotide SE	Oligonucleotide SE
C 317	11	8.5	11	1	ABF50149	Oligonucleotide SE	Oligonucleotide SE
C 318	11	8.5	11	1	ABH12211	Oligonucleotide SE	Oligonucleotide SE
319	11	8.5	11	1	ABC27529	Oligonucleotide SE	Oligonucleotide SE
320	11	8.5	11	1	ABC30739	Oligonucleotide SE	Oligonucleotide SE
C 321	11	8.5	11	1	ABF19739	Oligonucleotide SE	Oligonucleotide SE
C 322	11	8.5	11	1	ABF34331	Oligonucleotide SE	Oligonucleotide SE
323	11	8.5	11	1	ABF71858	Oligonucleotide SE	Oligonucleotide SE
C 324	11	8.5	11	1	ABF78654	Oligonucleotide SE	Oligonucleotide SE
C 325	11	8.5	11	1	ABC82263	Oligonucleotide SE	Oligonucleotide SE
13	8.5	11	13	1	ABF34022	Oligonucleotide SE	Oligonucleotide SE
13	8.5	11	13	1	ABF44842	Oligonucleotide SE	Oligonucleotide SE
13	8.5	11	13	1	ABH20328	Oligonucleotide SE	Oligonucleotide SE
13	8.5	11	13	1	ABF50148	Oligonucleotide SE	Oligonucleotide SE
13	8.5	11	13	1	ABH01235	Oligonucleotide SE	Oligonucleotide SE
13	8.5	11	13	1	ABH36383	Oligonucleotide SE	Oligonucleotide SE
13	8.5	11	13	1	ABF44843	Oligonucleotide SE	Oligonucleotide SE
13	8.5	11	13	1	ABH20329	Oligonucleotide SE	Oligonucleotide SE
13	8.5	11	13	1	ABF84488	Oligonucleotide SE	Oligonucleotide SE
13	8.5	11	13	1	ABF84489	Oligonucleotide SE	Oligonucleotide SE
13	8.5	11	13	1	ABC88579	Oligonucleotide SE	Oligonucleotide SE
13	8.5	11	13	1	ABC64299	Oligonucleotide SE	Oligonucleotide SE
13	8.5	11	13	1	ABH01234	Oligonucleotide SE	Oligonucleotide SE
13	8.5	11	13	1	ABF56091	Oligonucleotide SE	Oligonucleotide SE
13	8.5	11	13	1	ABH34289	Oligonucleotide SE	Oligonucleotide SE
13	8.5	11	13	1	ABF59747	Oligonucleotide SE	Oligonucleotide SE
13	8.5	11	13	1	ABH36382	Oligonucleotide SE	Oligonucleotide SE
13	8.5	11	13	1	ABC96933	Oligonucleotide SE	Oligonucleotide SE
13	8.5	11	13	1	ABC26396	Oligonucleotide SE	Oligonucleotide SE
13	8.5	11	13	1	ABC53367	Oligonucleotide SE	Oligonucleotide SE
13	8.5	11	13	1	ABC85187	Oligonucleotide SE	Oligonucleotide SE
13	8.5	11	13	1	ABC13333	Oligonucleotide SE	Oligonucleotide SE
13	8.5	11	13	1	ABC16448	Oligonucleotide SE	Oligonucleotide SE
13	8.5	11	13	1	ABF38231	Oligonucleotide SE	Oligonucleotide SE
13	8.5	11	13	1	ABH19277	Oligonucleotide SE	Oligonucleotide SE
13	8.5	11	13	1	ABF74153	Oligonucleotide SE	Oligonucleotide SE
13	8.5	11	13	1	ABF59746	Oligonucleotide SE	Oligonucleotide SE
13	8.5	11	13	1	ABC82262	Oligonucleotide SE	Oligonucleotide SE
13	8.5	11	13	1	ABF21401	Oligonucleotide SE	Oligonucleotide SE
13	8.5	11	13	1	ABH19276	Oligonucleotide SE	Oligonucleotide SE
13	8.5	11	13	1	ABF74152	Oligonucleotide SE	Oligonucleotide SE
13	8.5	11	13	1	ABH12497	Oligonucleotide SE	Oligonucleotide SE
13	8.5	11	13	1	ABH16303	Oligonucleotide SE	Oligonucleotide SE
13	8.5	11	13	1	ABC27528	Oligonucleotide SE	Oligonucleotide SE
13	8.5	11	13	1	ABC85186	Oligonucleotide SE	Oligonucleotide SE
13	8.5	11	13	1	ABC13332	Oligonucleotide SE	Oligonucleotide SE
13	8.5	11	13	1	ABC64298	Oligonucleotide SE	Oligonucleotide SE
13	8.5	11	13	1	ABH17321	Oligonucleotide SE	Oligonucleotide SE
13	8.5	11	13	1	ABF34023	Oligonucleotide SE	Oligonucleotide SE
13	8.5	11	13	1	ABF39298	Oligonucleotide SE	Oligonucleotide SE
13	8.5	11	13	1	ABF45426	Oligonucleotide SE	Oligonucleotide SE
13	8.5	11	13	1	ABF56090	Oligonucleotide SE	Oligonucleotide SE
13	8.5	11	13	1	ABH08766	Oligonucleotide SE	Oligonucleotide SE
13	8.5	11	13	1	ABH08767	Oligonucleotide SE	Oligonucleotide SE
13	8.5	11	13	1	ABF59618	Oligonucleotide SE	Oligonucleotide SE
13	8.5	11	13	1	ABH48501	Oligonucleotide SE	Oligonucleotide SE
13	8.5	11	13	1	ABC39523	Oligonucleotide SE	Oligonucleotide SE
13	8.5	11	13	1	ABF19738	Oligonucleotide SE	Oligonucleotide SE
13	8.5	11	13	1	ABF37537	Oligonucleotide SE	Oligonucleotide SE
13	8.5	11	13	1	ABF78655	Oligonucleotide SE	Oligonucleotide SE
14	8.5	11	14	1	ADE15253	Transcription inh	E. coli ompA gene
15	8.5	11	15	1	AAA48271	Human interleukin	IGF-I oligonucleot
15	8.5	11	15	1	AAAD15741	IGF-I oligonucleot	IGF-I oligonucleot
15	8.5	11	15	1	AAF52311	E. coli ompA stron	Molecular antigen
15	8.5	11	15	1	ABK23841	Human FMO2 gene po	Human ACAA1 gene p
15	8.5	11	15	1	ABS70925	Human GRM8 allele-	Molecular antigen
15	8.5	11	15	1	ABA93304	Human APPBP1 gene,	Escherichia coli o
15	8.5	11	15	1	ABQ72858	Probe for N-termin	rb gene antisense
15	8.5	11	15	1	ABS66351	Substrate for hair	Human OPG PCR prim
15	8.5	11	15	1	ABK32803	Hepatitis C virus	Transcription inh
15	8.5	11	15	1	ABA91820	High affinity Ige	High affinity Ige
14	8.3	10.8	14	1	AAN94501	Human IL-5 hammerh	Mouse IL-5 hammerh
14	8.3	10.8	14	1	AAV49148		
14	8.3	10.8	14	1	AAZ64860		
14	8.3	10.8	14	1	AAF57803		
14	8.3	10.8	14	1	ABX01697		
14	8.3	10.8	14	1	ADE15274		
15	8.3	10.8	15	1	AAQ80598		
15	8.3	10.8	15	1	AAQ80599		
15	8.3	10.8	15	1	AAT54299		
15	8.3	10.8	15	1	AAT54593		

399	10.8	8.3	15	1	AAT52182	Mouse ICAM hammerh	472	10.4	8.0	12	1	ABI32480	Oligonucleotide pr
400	10.8	8.3	15	1	AAT54303	Human IL-5 hammerh	C 473	10.4	8.0	12	1	ABI13971	Oligonucleotide pr
401	10.8	8.3	15	1	AAT52438	Mouse ICAM hammerh	474	10.4	8.0	12	1	ABI39893	Oligonucleotide pr
402	10.8	8.3	15	1	AAV60860	MAB MCP603 Vh CDR	C 475	10.4	8.0	12	1	ABI171999	Oligonucleotide pr
403	10.8	8.3	15	1	AAX31602	Tag sequence of a	C 476	10.4	8.0	12	1	ABI181482	Oligonucleotide pr
C 404	10.8	8.3	15	1	AAZ63880	Substrate for hamm	C 477	10.4	8.0	12	1	ABI17816	Oligonucleotide pr
405	10.8	8.3	15	1	AAF50405	IGF-I oligonucleot	478	10.4	8.0	12	1	ABI28415	Oligonucleotide pr
406	10.8	8.3	15	1	AAF46530	IGFBP2 oligonucleo	479	10.4	8.0	12	1	ABH81514	Oligonucleotide pr
407	10.8	8.3	15	1	AAF50409	IGF-I oligonucleot	C 480	10.4	8.0	12	1	ABI35488	Oligonucleotide pr
C 408	10.8	8.3	15	1	AAF48106	IGFBP3 oligonucleo	C 481	10.4	8.0	12	1	ABI43883	Oligonucleotide pr
C 409	10.8	8.3	15	1	AAF48104	IGFBP3 oligonucleo	C 482	10.4	8.0	12	1	ABI44147	Oligonucleotide pr
C 410	10.8	8.3	15	1	ABX03919	C. sputigena 16S r	483	10.4	8.0	12	1	ABI48462	Oligonucleotide pr
411	10.8	8.3	15	1	ABL95788	Myeloid progenitor	C 484	10.4	8.0	12	1	ABI51498	Oligonucleotide pr
C 412	10.8	8.3	15	1	ABQ96112	Tumour suppression	C 485	10.4	8.0	12	1	ABI54828	Oligonucleotide pr
413	10.8	8.3	15	1	ABZ34164	HIV-1 reverse tran	486	10.4	8.0	12	1	ABI71970	Oligonucleotide pr
414	10.8	8.3	15	1	ABK32556	Human pancreatic C	487	10.4	8.0	12	1	ABI61668	Oligonucleotide pr
C 415	10.8	8.3	15	1	ABX00933	Hepatitis C virus	488	10.4	8.0	12	1	ABI79169	Oligonucleotide pr
416	10.8	8.3	15	1	ADD54915	Heavy chain variab	C 489	10.4	8.0	12	1	ABI79894	Oligonucleotide pr
C 417	10.8	8.3	20	1	ABI94164	Capture oligonucle	C 490	10.4	8.0	12	1	ABI81624	Oligonucleotide pr
C 418	10.6	8.2	13	1	ABC66290	Oligonucleotide SE	C 491	10.4	8.0	12	1	ABI06676	Oligonucleotide pr
419	10.6	8.2	13	1	ABC66291	Oligonucleotide SE	C 492	10.4	8.0	12	1	ABI12548	Oligonucleotide pr
420	10.6	8.2	13	1	ABC46121	Oligonucleotide SE	493	10.4	8.0	12	1	ABI38552	Oligonucleotide pr
C 421	10.6	8.2	13	1	ABC46120	Oligonucleotide SE	494	10.4	8.0	12	1	ABI14031	Oligonucleotide pr
C 422	10.6	8.2	13	1	ABC46125	Oligonucleotide SE	C 495	10.4	8.0	12	1	ABI73250	Oligonucleotide pr
C 423	10.6	8.2	13	1	ABC79606	Oligonucleotide SE	C 496	10.4	8.0	12	1	ABI62297	Oligonucleotide pr
424	10.6	8.2	13	1	ABC79607	Oligonucleotide SE	497	10.4	8.0	12	1	ABI76736	Oligonucleotide pr
C 425	10.6	8.2	13	1	ABC46124	Oligonucleotide SE	C 498	10.4	8.0	12	1	ABH73027	Oligonucleotide pr
C 426	10.6	8.2	15	1	AAD43620	Human interleukin	C 499	10.4	8.0	12	1	ABI23764	Oligonucleotide pr
C 427	10.6	8.2	15	1	AAS99209	Human NAR1 gene al	C 500	10.4	8.0	12	1	ABI13974	Oligonucleotide pr
428	10.4	8.0	12	1	AAAX19088	Oligonucleotide 5	501	10.4	8.0	12	1	ABI52613	Oligonucleotide pr
C 429	10.4	8.0	12	1	AAAX14803	Triple helix third	C 502	10.4	8.0	12	1	ABI58766	Oligonucleotide pr
430	10.4	8.0	12	1	AAH21571	Human hypcretin r	C 503	10.4	8.0	12	1	ABI73336	Oligonucleotide pr
C 431	10.4	8.0	12	1	ABH98538	Oligonucleotide pr	504	10.4	8.0	12	1	ABI64784	Oligonucleotide pr
432	10.4	8.0	12	1	ABH73682	Oligonucleotide pr	505	10.4	8.0	12	1	ABI65037	Oligonucleotide pr
433	10.4	8.0	12	1	ABI27243	Oligonucleotide pr	C 506	10.4	8.0	12	1	ABI18232	Oligonucleotide pr
C 434	10.4	8.0	12	1	ABI08043	Oligonucleotide pr	507	10.4	8.0	12	1	ABI18776	Oligonucleotide pr
C 435	10.4	8.0	12	1	ABI40085	Oligonucleotide pr	508	10.4	8.0	12	1	ABH69518	Oligonucleotide pr
C 436	10.4	8.0	12	1	ABI15688	Oligonucleotide pr	509	10.4	8.0	12	1	ABI20405	Oligonucleotide pr
C 437	10.4	8.0	12	1	ABI80168	Oligonucleotide pr	C 510	10.4	8.0	12	1	ABH73642	Oligonucleotide pr
C 438	10.4	8.0	12	1	ABI77869	Oligonucleotide pr	C 511	10.4	8.0	12	1	ABH75620	Oligonucleotide pr
439	10.4	8.0	12	1	ABH72734	Oligonucleotide pr	C 512	10.4	8.0	12	1	ABI01272	Oligonucleotide pr
C 440	10.4	8.0	12	1	ABH74433	Oligonucleotide pr	513	10.4	8.0	12	1	ABI03056	Oligonucleotide pr
441	10.4	8.0	12	1	ABI27286	Oligonucleotide pr	C 514	10.4	8.0	12	1	ABI09032	Oligonucleotide pr
C 442	10.4	8.0	12	1	ABI04840	Oligonucleotide pr	515	10.4	8.0	12	1	ABI13624	Oligonucleotide pr
443	10.4	8.0	12	1	ABH84238	Oligonucleotide pr	C 516	10.4	8.0	12	1	ABH89077	Oligonucleotide pr
444	10.4	8.0	12	1	ABI13653	Oligonucleotide pr	517	10.4	8.0	12	1	ABI47818	Oligonucleotide pr
445	10.4	8.0	12	1	ABI43916	Oligonucleotide pr	C 518	10.4	8.0	12	1	ABI68520	Oligonucleotide pr
C 446	10.4	8.0	12	1	ABI44860	Oligonucleotide pr	C 519	10.4	8.0	12	1	ABI63943	Oligonucleotide pr
447	10.4	8.0	12	1	ABI52611	Oligonucleotide pr	C 520	10.4	8.0	12	1	ABH96522	Oligonucleotide pr
C 448	10.4	8.0	12	1	ABI63322	Oligonucleotide pr	C 521	10.4	8.0	12	1	ABH73290	Oligonucleotide pr
C 449	10.4	8.0	12	1	ABH93314	Oligonucleotide pr	C 522	10.4	8.0	12	1	ABH728786	Oligonucleotide pr
C 450	10.4	8.0	12	1	ABH80028	Oligonucleotide pr	523	10.4	8.0	12	1	ABH90761	Oligonucleotide pr
451	10.4	8.0	12	1	ABI31356	Oligonucleotide pr	C 524	10.4	8.0	12	1	ABI61920	Oligonucleotide pr
452	10.4	8.0	12	1	ABH83408	Oligonucleotide pr	525	10.4	8.0	12	1	ABH93286	Oligonucleotide pr
C 453	10.4	8.0	12	1	ABI10211	Oligonucleotide pr	C 526	10.4	8.0	12	1	ABH93286	Oligonucleotide pr
C 454	10.4	8.0	12	1	ABI43689	Oligonucleotide pr	C 527	10.4	8.0	12	1	ABI19369	Oligonucleotide pr
C 455	10.4	8.0	12	1	ABI73097	Oligonucleotide pr	C 528	10.4	8.0	12	1	ABH98914	Oligonucleotide pr
456	10.4	8.0	12	1	ABH67855	Oligonucleotide pr	C 529	10.4	8.0	12	1	ABI10384	Oligonucleotide pr
457	10.4	8.0	12	1	ABH96450	Oligonucleotide pr	530	10.4	8.0	12	1	ABH86094	Oligonucleotide pr
458	10.4	8.0	12	1	ABH76041	Oligonucleotide pr	531	10.4	8.0	12	1	ABI17053	Oligonucleotide pr
459	10.4	8.0	12	1	ABI07998	Oligonucleotide pr	C 532	10.4	8.0	12	1	ABI60800	Oligonucleotide pr
C 460	10.4	8.0	12	1	ABH84597	Oligonucleotide pr	C 533	10.4	8.0	12	1	ABI66958	Oligonucleotide pr
461	10.4	8.0	12	1	ABI39956	Oligonucleotide pr	534	10.4	8.0	12	1	ABH98347	Oligonucleotide pr
C 462	10.4	8.0	12	1	ABI51762	Oligonucleotide pr	C 535	10.4	8.0	12	1	ABI24147	Oligonucleotide pr
C 463	10.4	8.0	12	1	ABH69040	Oligonucleotide pr	536	10.4	8.0	12	1	ABI06271	Oligonucleotide pr
C 464	10.4	8.0	12	1	ABI26667	Oligonucleotide pr	537	10.4	8.0	12	1	ABH82783	Oligonucleotide pr
C 465	10.4	8.0	12	1	ABI29200	Oligonucleotide pr	538	10.4	8.0	12	1	ABI36243	Oligonucleotide pr
466	10.4	8.0	12	1	ABH86332	Oligonucleotide pr	539	10.4	8.0	12	1	ABI49459	Oligonucleotide pr
C 467	10.4	8.0	12	1	ABI36883	Oligonucleotide pr	540	10.4	8.0	12	1	ABI55515	Oligonucleotide pr
C 468	10.4	8.0	12	1	ABH88611	Oligonucleotide pr	541	10.4	8.0	12	1	ABI58639	Oligonucleotide pr
469	10.4	8.0	12	1	ABI70430	Oligonucleotide pr	542	10.4	8.0	12	1	ABI28818	Oligonucleotide pr
470	10.4	8.0	12	1	ABI61441	Oligonucleotide pr	C 543	10.4	8.0	12	1	ABI29487	Oligonucleotide pr
471	10.4	8.0	12	1	ABI21577	Oligonucleotide pr	C 544	10.4	8.0	12	1	ABI06913	Oligonucleotide pr

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C 691	10.4	8.0	13	1	ABF72349	Oligonucleotide SE
692	10.4	8.0	13	1	ABF48009	Oligonucleotide SE
693	10.4	8.0	13	1	ABF53340	Oligonucleotide SE
C 694	10.4	8.0	13	1	ABH34871	Oligonucleotide SE
695	10.4	8.0	13	1	ABH14422	Oligonucleotide SE
696	10.4	8.0	13	1	ABF89805	Oligonucleotide SE
C 697	10.4	8.0	13	1	ABH57680	Oligonucleotide SE
698	10.4	8.0	13	1	ABH58877	Oligonucleotide SE
699	10.4	8.0	13	1	ABC42351	Oligonucleotide SE
C 700	10.4	8.0	13	1	ABC20168	Oligonucleotide SE
701	10.4	8.0	13	1	ABC32536	Oligonucleotide SE
702	10.4	8.0	13	1	ABF22880	Oligonucleotide SE
C 703	10.4	8.0	13	1	ABF32026	Oligonucleotide SE
704	10.4	8.0	13	1	ABH17366	Oligonucleotide SE
705	10.4	8.0	13	1	ABH20080	Oligonucleotide SE
C 706	10.4	8.0	13	1	ABF70734	Oligonucleotide SE
C 707	10.4	8.0	13	1	ABF71862	Oligonucleotide SE
C 708	10.4	8.0	13	1	ABF49829	Oligonucleotide SE
C 709	10.4	8.0	13	1	ABF52801	Oligonucleotide SE
C 710	10.4	8.0	13	1	ABH06975	Oligonucleotide SE
C 711	10.4	8.0	13	1	ABF82707	Oligonucleotide SE
C 712	10.4	8.0	13	1	ABH46550	Oligonucleotide SE
C 713	10.4	8.0	13	1	ABH53510	Oligonucleotide SE
714	10.4	8.0	13	1	ABH59028	Oligonucleotide SE
715	10.4	8.0	13	1	ABH60056	Oligonucleotide SE
716	10.4	8.0	13	1	ABH60296	Oligonucleotide SE
C 717	10.4	8.0	13	1	ABC44405	Oligonucleotide SE
718	10.4	8.0	13	1	ABC23453	Oligonucleotide SE
C 719	10.4	8.0	13	1	ABC58965	Oligonucleotide SE
720	10.4	8.0	13	1	ABF10760	Oligonucleotide SE
C 721	10.4	8.0	13	1	ABC13614	Oligonucleotide SE
C 722	10.4	8.0	13	1	ABC41099	Oligonucleotide SE
C 723	10.4	8.0	13	1	ABF16369	Oligonucleotide SE
C 724	10.4	8.0	13	1	ABF17059	Oligonucleotide SE
725	10.4	8.0	13	1	ABF25130	Oligonucleotide SE
726	10.4	8.0	13	1	ABF37831	Oligonucleotide SE
727	10.4	8.0	13	1	ABF70638	Oligonucleotide SE
728	10.4	8.0	13	1	ABF48007	Oligonucleotide SE
C 729	10.4	8.0	13	1	ABF48008	Oligonucleotide SE
C 730	10.4	8.0	13	1	ABH23902	Oligonucleotide SE
C 731	10.4	8.0	13	1	ABF50206	Oligonucleotide SE
732	10.4	8.0	13	1	ABH03122	Oligonucleotide SE
C 733	10.4	8.0	13	1	ABF53541	Oligonucleotide SE
734	10.4	8.0	13	1	ABH07448	Oligonucleotide SE
C 735	10.4	8.0	13	1	ABF61204	Oligonucleotide SE
736	10.4	8.0	13	1	ABC20169	Oligonucleotide SE
C 737	10.4	8.0	13	1	ABC23452	Oligonucleotide SE
738	10.4	8.0	13	1	ABC77718	Oligonucleotide SE
C 739	10.4	8.0	13	1	ABC54060	Oligonucleotide SE
C 740	10.4	8.0	13	1	ABC56661	Oligonucleotide SE
C 741	10.4	8.0	13	1	ABC32537	Oligonucleotide SE
742	10.4	8.0	13	1	ABC33430	Oligonucleotide SE
C 743	10.4	8.0	13	1	ABC33431	Oligonucleotide SE
C 744	10.4	8.0	13	1	ABC10549	Oligonucleotide SE
C 745	10.4	8.0	13	1	ABC62591	Oligonucleotide SE
C 746	10.4	8.0	13	1	ABF25131	Oligonucleotide SE
C 747	10.4	8.0	13	1	ABF70194	Oligonucleotide SE
C 748	10.4	8.0	13	1	ABF70639	Oligonucleotide SE
749	10.4	8.0	13	1	ABH28235	Oligonucleotide SE
750	10.4	8.0	13	1	ABH28239	Oligonucleotide SE
C 751	10.4	8.0	13	1	ABF58577	Oligonucleotide SE
752	10.4	8.0	13	1	ABF91361	Oligonucleotide SE
753	10.4	8.0	13	1	ABH41841	Oligonucleotide SE
C 754	10.4	8.0	13	1	ABH62906	Oligonucleotide SE
C 755	10.4	8.0	13	1	ABH63382	Oligonucleotide SE
C 756	10.4	8.0	13	1	ABC03650	Oligonucleotide SE
757	10.4	8.0	13	1	ABC03656	Oligonucleotide SE
C 758	10.4	8.0	13	1	ABC64527	Oligonucleotide SE
C 759	10.4	8.0	13	1	ABC15930	Oligonucleotide SE
760	10.4	8.0	13	1	ABF16837	Oligonucleotide SE
C 761	10.4	8.0	13	1	ABF17061	Oligonucleotide SE
762	10.4	8.0	13	1	ABF36838	Oligonucleotide SE
C 763	10.4	8.0	13	1	ABH17367	Oligonucleotide SE
764	10.4	8.0	13	1	ABF96029	Oligonucleotide SE
765	10.4	8.0	13	1	ABF46346	Oligonucleotide SE
C 766	10.4	8.0	13	1	ABF48006	Oligonucleotide SE
767	10.4	8.0	13	1	ABF50697	Oligonucleotide SE
C 768	10.4	8.0	13	1	ABH28163	Oligonucleotide SE
C 769	10.4	8.0	13	1	ABH28234	Oligonucleotide SE
C 770	10.4	8.0	13	1	ABH05683	Oligonucleotide SE
C 771	10.4	8.0	13	1	ABF58581	Oligonucleotide SE
772	10.4	8.0	13	1	ABH10208	Oligonucleotide SE
C 773	10.4	8.0	13	1	ABH36662	Oligonucleotide SE
774	10.4	8.0	13	1	ABF65710	Oligonucleotide SE
775	10.4	8.0	13	1	ABH45508	Oligonucleotide SE
776	10.4	8.0	13	1	ABH45512	Oligonucleotide SE
C 777	10.4	8.0	13	1	ABH60297	Oligonucleotide SE
778	10.4	8.0	13	1	ABC75902	Oligonucleotide SE
779	10.4	8.0	13	1	ABC10328	Oligonucleotide SE
C 780	10.4	8.0	13	1	ABF15147	Oligonucleotide SE
781	10.4	8.0	13	1	ABC40792	Oligonucleotide SE
C 782	10.4	8.0	13	1	ABF42025	Oligonucleotide SE
C 783	10.4	8.0	13	1	ABH20485	Oligonucleotide SE
784	10.4	8.0	13	1	ABH06974	Oligonucleotide SE
C 785	10.4	8.0	13	1	ABF58576	Oligonucleotide SE
C 786	10.4	8.0	13	1	ABH39437	Oligonucleotide SE
787	10.4	8.0	13	1	ABF91758	Oligonucleotide SE
C 788	10.4	8.0	13	1	ABH45029	Oligonucleotide SE
789	10.4	8.0	13	1	ABH46551	Oligonucleotide SE
790	10.4	8.0	13	1	ABC95962	Oligonucleotide SE
791	10.4	8.0	13	1	ABC54061	Oligonucleotide SE
C 792	10.4	8.0	13	1	ABC58194	Oligonucleotide SE
793	10.4	8.0	13	1	ABF10672	Oligonucleotide SE
C 794	10.4	8.0	13	1	ABF10673	Oligonucleotide SE
C 795	10.4	8.0	13	1	ABC36055	Oligonucleotide SE
C 796	10.4	8.0	13	1	ABF12263	Oligonucleotide SE
797	10.4	8.0	13	1	ABF14033	Oligonucleotide SE
798	10.4	8.0	13	1	ABC64526	Oligonucleotide SE
799	10.4	8.0	13	1	ABF16368	Oligonucleotide SE
800	10.4	8.0	13	1	ABF22876	Oligonucleotide SE
C 801	10.4	8.0	13	1	ABF26933	Oligonucleotide SE
C 802	10.4	8.0	13	1	ABF70735	Oligonucleotide SE
C 803	10.4	8.0	13	1	ABF47961	Oligonucleotide SE
804	10.4	8.0	13	1	ABF73477	Oligonucleotide SE
805	10.4	8.0	13	1	ABH23903	Oligonucleotide SE
C 806	10.4	8.0	13	1	ABF76217	Oligonucleotide SE
C 807	10.4	8.0	13	1	ABH03123	Oligonucleotide SE
C 808	10.4	8.0	13	1	ABH28591	Oligonucleotide SE
C 809	10.4	8.0	13	1	ABH10209	Oligonucleotide SE
C 810	10.4	8.0	13	1	ABF91360	Oligonucleotide SE
C 811	10.4	8.0	13	1	ABH42633	Oligonucleotide SE
812	10.4	8.0	13	1	ABH57681	Oligonucleotide SE
813	10.4	8.0	13	1	ABH59996	Oligonucleotide SE
814	10.4	8.0	13	1	ABC44404	Oligonucleotide SE
C 815	10.4	8.0	13	1	ABC20113	Oligonucleotide SE
C 816	10.4	8.0	13	1	ABC75271	Oligonucleotide SE
C 817	10.4	8.0	13	1	ABC27819	Oligonucleotide SE
818	10.4	8.0	13	1	ABC03270	Oligonucleotide SE
C 819	10.4	8.0	13	1	ABC03271	Oligonucleotide SE
C 820	10.4	8.0	13	1	ABC03655	Oligonucleotide SE
821	10.4	8.0	13	1	ABC06932	Oligonucleotide SE
822	10.4	8.0	13	1	ABC58195	Oligonucleotide SE
C 823	10.4	8.0	13	1	ABC10329	Oligonucleotide SE
824	10.4	8.0	13	1	ABC13615	Oligonucleotide SE
825	10.4	8.0	13	1	ABF37598	Oligonucleotide SE
C 826	10.4	8.0	13	1	ABH20193	Oligonucleotide SE
827	10.4	8.0	13	1	ABH23390	Oligonucleotide SE
828	10.4	8.0	13	1	ABF50207	Oligonucleotide SE
C 829	10.4	8.0	13	1	ABF50696	Oligonucleotide SE
C 830	10.4	8.0	13	1	ABH28238	Oligonucleotide SE
831	10.4	8.0	13	1	ABF80956	Oligonucleotide SE
C 832	10.4	8.0	13	1	ABF80957	Oligonucleotide SE
833	10.4	8.0	13	1	ABH34870	Oligonucleotide SE
834	10.4	8.0	13	1	ABF60680	Oligonucleotide SE
835	10.4	8.0	13	1	ABF90892	Oligonucleotide SE
836	10.4	8.0	13	1	ABH53511	Oligonucleotide SE


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FT      /*tag= a
FT      /note= "2'-O-methoxyethyl modified nucleotitides"
FT      misc_difference 16..20
FT      /*tag= c
FT      /note= "2'-O-methoxyethyl modified nucleotitides"
XX
XX
PN      WO2003040320-A2.
XX
XX
PD      15-MAY-2003.
XX
XX
PF      04-NOV-2002; 2002WO-US035323.
XX
XX
PR      08-NOV-2001; 2001US-00006911.
XX
XX
PA      (ISIS-) ISIS PHARM INC.
XX
XX
PI      Gaarde WA, Watt AT;
XX
XX
DR      WPI; 2003-449447/42.
XX
XX
PT      New compound, having a sequence targeted to a nucleic acid encoding human
PT      collapsin response mediator protein 2, useful for preparing a composition
PT      for treating neurodegenerative disease, e.g., Alzheimer's disease.
XX
XX
PS      Claim 3; SEQ ID NO 37; 102pp; English.
XX
XX
CC      The invention relates to a new compound having a sequence comprising 8-50
CC      bp targeted to a nucleic acid encoding human collapsin response mediator
CC      protein 2 which specifically hybridizes with the nucleic acid encoding
CC      human collapsin response mediator protein 2 and inhibits its expression.
CC      The compound is useful for preparing a composition for treating
CC      neurodegenerative disease, e.g., Alzheimer's disease, Down syndrome or
CC      schizophrenia. This sequence represents the human collapsin response
CC      mediator protein 2 gene intron 1 sequence against which the antisense
CC      oligonucleotides may be targeted.
XX
XX
SQ      Sequence 20 BP; 6 A; 4 C; 5 G; 5 T; 0 U; 0 Other;
      Query Match      15.4%; Score 20; DB 1; Length 20;
      Best Local Similarity 100.0%; Pred. No. 9.9;
      Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1377 GCGATCGTCTCTGATCAAA 1396
Db      20 GCGATCGTCTCTGATCAAA 1

RESULT 3
ADC66357/c
ID      ADC66357 standard; DNA; 20 BP.
XX
XX
AC      ADC66357;
XX
XX
DT      18-DEC-2003 (first entry)
XX
DE      Human collapsin response mediator protein 2 gene antisense oligo #138025.
XX
KW      neuroprotective; nootropic; neuroleptic; gene therapy;
KW      human collapsin response mediator protein 2; neurodegenerative disease;
KW      Alzheimer's disease; Down syndrome; schizophrenia; H-ras; ss; antisense.
XX
XX
OS      Synthetic.
OS      Homo sapiens.
XX
XX
FH      Key      Location/Qualifiers
FT      misc_difference 1..20
FT      /*tag= b
FT      /note= "contains phosphorothioate internucleotide
FT      linkages, all cytidine nucleotides are 5-methylcytidine
FT      residues"
FT      misc_difference 1..5
FT      /*tag= a
FT      /note= "2'-O-methoxyethyl modified nucleotitides"
FT      misc_difference 16..20
FT      /*tag= c
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FT      misc_difference 16..20
FT      /*tag= c
FT      /note= "2'-O-methoxyethyl modified nucleotitides"
XX
XX
PN      WO2003040320-A2.
XX
XX
PD      15-MAY-2003.
XX
XX
PF      04-NOV-2002; 2002WO-US035323.
XX
XX
PR      08-NOV-2001; 2001US-00006911.
XX
XX
PA      (ISIS-) ISIS PHARM INC.
XX
XX
PI      Gaarde WA, Watt AT;
XX
XX
DR      WPI; 2003-449447/42.
XX
XX
PT      New compound, having a sequence targeted to a nucleic acid encoding human
PT      collapsin response mediator protein 2, useful for preparing a composition
PT      for treating neurodegenerative disease, e.g., Alzheimer's disease.
XX
XX
PS      Claim 3; SEQ ID NO 35; 102pp; English.
XX
XX
CC      The invention relates to a new compound having a sequence comprising 8-50
CC      bp targeted to a nucleic acid encoding human collapsin response mediator
CC      protein 2 which specifically hybridizes with the nucleic acid encoding
CC      human collapsin response mediator protein 2 and inhibits its expression.
CC      The compound is useful for preparing a composition for treating
CC      neurodegenerative disease, e.g., Alzheimer's disease, Down syndrome or
CC      schizophrenia. This sequence represents the human collapsin response
CC      mediator protein 2 gene intron 1 sequence against which the antisense
CC      oligonucleotides may be targeted.
XX
XX
SQ      Sequence 20 BP; 4 A; 2 C; 5 G; 9 T; 0 U; 0 Other;
      Query Match      15.4%; Score 20; DB 1; Length 20;
      Best Local Similarity 100.0%; Pred. No. 9.9;
      Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1353 AGAAAAATATTCACGCATC 1372
Db      20 AGAAAAATATTCACGCATC 1

RESULT 4
ADC66356/c
ID      ADC66356 standard; DNA; 20 BP.
XX
XX
AC      ADC66356;
XX
XX
DT      18-DEC-2003 (first entry)
XX
DE      Human collapsin response mediator protein 2 gene antisense oligo #138024.
XX
KW      neuroprotective; nootropic; neuroleptic; gene therapy;
KW      human collapsin response mediator protein 2; neurodegenerative disease;
KW      Alzheimer's disease; Down syndrome; schizophrenia; H-ras; ss; antisense.
XX
XX
OS      Synthetic.
OS      Homo sapiens.
XX
XX
FH      Key      Location/Qualifiers
FT      misc_difference 1..20
FT      /*tag= b
FT      /note= "contains phosphorothioate internucleotide
FT      linkages, all cytidine nucleotides are 5-methylcytidine
FT      residues"
FT      misc_difference 1..5
FT      /*tag= a
FT      /note= "2'-O-methoxyethyl modified nucleotitides"
FT      misc_difference 16..20
FT      /*tag= c
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FT XX /note= "2'-O-methoxyethyl modified nucleotitides"

PN WO2003040320-A2.

XX PD 15-MAY-2003.

XX PF 04-NOV-2002; 2002WO-US035323.

XX PR 08-NOV-2001; 2001US-00006911.

XX PA (ISIS-) ISIS PHARM INC.

XX PI Gaarde WA, Watt AT;

XX DR WPI; 2003-449447/42.

XX PT New compound, having a sequence targeted to a nucleic acid encoding human

PT collapsin response mediator protein 2, useful for preparing a composition

PT for treating neurodegenerative disease, e.g., Alzheimer's disease.

XX PS Claim 3; SEQ ID NO 34; 102pp; English.

XX CC The invention relates to a new compound having a sequence comprising 8-50

CC bp targeted to a nucleic acid encoding human collapsin response mediator

CC protein 2 which specifically hybridizes with the nucleic acid encoding

CC human collapsin response mediator protein 2 and inhibits its expression.

CC The compound is useful for preparing a composition for treating

CC neurodegenerative disease, e.g., Alzheimer's disease, Down syndrome or

CC schizophrenia. This sequence represents the human collapsin response

CC mediator protein 2 gene intron 1 sequence against which the antisense

CC oligonucleotides may be targeted.

XX SQ Sequence 20 BP; 4 A; 5 C; 2 G; 9 T; 0 U; 0 Other;

Query Match 15.4%; Score 20; DB 1; Length 20;

Best Local Similarity 100.0%; Pred. No. 9.9;

Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1345 TCAGGGGAAGAAAAATATTC 1364

Db 20 TCAGGGGAAGAAAAATATTC 1

RESULT 5

ADC66358/c

ID ADC66358 standard; DNA; 20 BP.

XX AC ADC66358;

XX DT 18-DEC-2003 (first entry)

XX DE Human collapsin response mediator protein 2 gene antisense oligo #138026.

XX KW neuroprotective; nootropic; neuroleptic; gene therapy;

KW human collapsin response mediator protein 2; neurodegenerative disease;

KW Alzheimer's disease; Down syndrome; schizophrenia; H-ras; ss; antisense.

XX OS Synthetic.

OS Homo sapiens.

XX FH Key Location/Qualifiers

FT misc_difference 1..20

FT /tag= b

FT /note= "contains phosphorothioate internucleotide

FT linkages, all cytidine nucleotides are 5-methylcytidine

FT residues"

FT misc_difference 1..5

FT /tag= a

FT /note= "2'-O-methoxyethyl modified nucleotitides"

FT misc_difference 16..20

FT /tag= c

FT /note= "2'-O-methoxyethyl modified nucleotitides"

FT XX

PN WO2003040320-A2.

XX PD 15-MAY-2003.

XX PF 04-NOV-2002; 2002WO-US035323.

XX PR 08-NOV-2001; 2001US-00006911.

XX PA (ISIS-) ISIS PHARM INC.

XX PI Gaarde WA, Watt AT;

XX DR WPI; 2003-449447/42.

XX PT New compound, having a sequence targeted to a nucleic acid encoding human

PT collapsin response mediator protein 2, useful for preparing a composition

PT for treating neurodegenerative disease, e.g., Alzheimer's disease.

XX PS Claim 3; SEQ ID NO 36; 102pp; English.

XX CC The invention relates to a new compound having a sequence comprising 8-50

CC bp targeted to a nucleic acid encoding human collapsin response mediator

CC protein 2 which specifically hybridizes with the nucleic acid encoding

CC human collapsin response mediator protein 2 and inhibits its expression.

CC The compound is useful for preparing a composition for treating

CC neurodegenerative disease, e.g., Alzheimer's disease, Down syndrome or

CC schizophrenia. This sequence represents the human collapsin response

CC mediator protein 2 gene intron 1 sequence against which the antisense

CC oligonucleotides may be targeted.

XX SQ Sequence 20 BP; 4 A; 3 C; 7 G; 6 T; 0 U; 0 Other;

Query Match 15.4%; Score 20; DB 1; Length 20;

Best Local Similarity 100.0%; Pred. No. 9.9;

Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1359 ATATTCCACGCATCACGAGC 1378

Db 20 ATATTCCACGCATCACGAGC 1

RESULT 6

ADC66361/c

ID ADC66361 standard; DNA; 20 BP.

XX AC ADC66361;

XX DT 18-DEC-2003 (first entry)

XX DE Human collapsin response mediator protein 2 gene antisense oligo #138029.

XX KW neuroprotective; nootropic; neuroleptic; gene therapy;

KW human collapsin response mediator protein 2; neurodegenerative disease;

KW Alzheimer's disease; Down syndrome; schizophrenia; H-ras; ss; antisense.

XX OS Synthetic.

OS Homo sapiens.

XX FH Key Location/Qualifiers

FT misc_difference 1..20

FT /tag= b

FT /note= "contains phosphorothioate internucleotide

FT linkages, all cytidine nucleotides are 5-methylcytidine

FT residues"

FT misc_difference 1..5

FT /tag= a

FT /note= "2'-O-methoxyethyl modified nucleotitides"

FT misc_difference 16..20

FT /tag= c

FT /note= "2'-O-methoxyethyl modified nucleotitides"

FT XX

PN WO2003040320-A2.

XX

PD 15-MAY-2003.
XX
PF 04-NOV-2002; 2002WO-US035323.
XX
PR 08-NOV-2001; 2001US-00006911.
XX
PA (ISIS-) ISIS PHARM INC.
XX
PI Gaarde WA, Watt AT;
XX
DR WPI; 2003-449447/42.
XX
PT New compound, having a sequence targeted to a nucleic acid encoding human
XX collapsin response mediator protein 2, useful for preparing a composition
PT for treating neurodegenerative disease, e.g., Alzheimer's disease.
PT
XX
PS Claim 3; SEQ ID NO 39; 102pp; English.
PS
XX
CC The invention relates to a new compound having a sequence comprising 8-50
CC bp targeted to a nucleic acid encoding human collapsin response mediator
CC protein 2 which specifically hybridizes with the nucleic acid encoding
CC human collapsin response mediator protein 2 and inhibits its expression.
CC The compound is useful for preparing a composition for treating
CC neurodegenerative disease, e.g., Alzheimer's disease, Down syndrome or
CC schizophrenia. This sequence represents the human collapsin response
CC mediator protein 2 gene intron 1 sequence against which the antisense
CC oligonucleotides may be targeted.
XX
SQ Sequence 20 BP; 5 A; 5 C; 2 G; 8 T; 0 U; 0 Other;

Query Match 15.4%; Score 20; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 9.9;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1452 ATGGGTTGATCAAGCAAATA 1471
Db 20 ATGGGTTGATCAAGCAAATA 1

RESULT 7
ADC66362/c
ID ADC66362 standard; DNA; 20 BP.
XX
AC ADC66362;
XX
DT 18-DEC-2003 (first entry)
XX
DE Human collapsin response mediator protein 2 gene antisense oligo #138030.
XX
KW neuroprotective; nootropic; neuroleptic; gene therapy;
KW human collapsin response mediator protein 2; neurodegenerative disease;
KW Alzheimer's disease; Down syndrome; schizophrenia; H-ras; ss; antisense.
XX
OS Synthetic.
OS Homo sapiens.
XX
FH Key Location/Qualifiers
FT misc_difference 1..20
FT /*tag= b
FT /note= "contains phosphorothioate internucleotide
FT linkages, all cytidine nucleotides are 5-methylcytidine
FT residues"
FT misc_difference 1..5
FT /*tag= a
FT /note= "2'-O-methoxyethyl modified nucleotitides"
FT misc_difference 16..20
FT /*tag= c
FT /note= "2'-O-methoxyethyl modified nucleotitides"
XX
PN WO2003040320-A2.
XX
PD 15-MAY-2003.
XX

PF 04-NOV-2002; 2002WO-US035323.
XX
PR 08-NOV-2001; 2001US-00006911.
XX
PA (ISIS-) ISIS PHARM INC.
XX
PI Gaarde WA, Watt AT;
XX
DR WPI; 2003-449447/42.
XX
PT New compound, having a sequence targeted to a nucleic acid encoding human
PT collapsin response mediator protein 2, useful for preparing a composition
PT for treating neurodegenerative disease, e.g., Alzheimer's disease.
XX
PS Claim 3; SEQ ID NO 40; 102pp; English.
XX
CC The invention relates to a new compound having a sequence comprising 8-50
CC bp targeted to a nucleic acid encoding human collapsin response mediator
CC protein 2 which specifically hybridizes with the nucleic acid encoding
CC human collapsin response mediator protein 2 and inhibits its expression.
CC The compound is useful for preparing a composition for treating
CC neurodegenerative disease, e.g., Alzheimer's disease, Down syndrome or
CC schizophrenia. This sequence represents the human collapsin response
CC mediator protein 2 gene intron 1 sequence against which the antisense
CC oligonucleotides may be targeted.
XX
SQ Sequence 20 BP; 4 A; 6 C; 2 G; 8 T; 0 U; 0 Other;

Query Match 15.4%; Score 20; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 9.9;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1455 GGTGATCAAGCAAATAGGA 1474
Db 20 GGTGATCAAGCAAATAGGA 1

RESULT 8
AAZ20454/c
ID AAZ20454 standard; DNA; 22 BP.
XX
AC AAZ20454;
XX
DT 19-NOV-1999 (first entry)
XX
DE PCR primer Bmag5For for microsatellite marker clone Bmag5.
XX
KW PCR primer; microsatellite marker; barley; chromosome 7 marker; cereal;
KW fermentability; group 5 chromosome; ethyl carbamate production; Bmac213;
KW wort fermentation; Triticeae; Bmac96; epi-heterodendrin production;
KW diagnosis; ss.
XX
OS Synthetic.
OS Hordeum vulgare.
XX
PN WO9946404-A1.
XX
PD 16-SEP-1999.
XX
PF 01-MAR-1999; 99WO-GB000602.
XX
PR 10-MAR-1998; 98GB-00005087.
XX
PA (SCCR) SCOTTISH CROP RES INST.
XX
PI Thomas WTb, Swanston JS, Powell W, Waugh R, Ramsey LD;
XX WPI; 1999-551424/46.
DR
XX Screening cereals for fermentability, especially useful in barley.
PT Claim 19; Page 23; 49pp; English.
PS
XX

XX The invention relates to a compound (antisense oligonucleotide)
CC hybridising with the eighth nucleobase portion of an active site on a
CC nucleic acid molecule encoding CD81 (also known as TAPA-1, a tetraspanin)
CC and inhibiting the expression of CD81. Also included is a composition
CC comprising the antisense oligonucleotide and a carrier or a diluent. The
CC antisense oligonucleotide is useful for inhibiting the expression of CD81
CC in cells or tissues. The antisense oligonucleotide is also useful for
CC treating infections preferably viral, bacterial and parasitic and
CC diseases such as inflammatory disorders and autoimmune disorders. The
CC disease or condition is characterised by chemical dependency (e.g.
CC cocaine addiction). The present sequence is a CD81 antisense
CC oligonucleotide of the invention.

SQ Sequence 20 BP; 8 A; 3 C; 4 G; 5 T; 0 U; 0 Other;
Query Match 11.7%; Score 15.2; DB 1; Length 20;
Best Local Similarity 85.0%; Pred. No. 82;
Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1427 TTCTATGCAGACATATACAT 1446
Db 20 TTCTATGTAGGCATCTACAT 1

RESULT 13
AAQ84976
ID AAQ84976 standard; DNA; 20 BP.
XX
AC AAQ84976;
XX
DT 25-MAR-2003 (revised)
DT 12-OCT-1995 (first entry)
XX
DE Putative NFAT binding site from human IL-2 gene (-289 to -270).
XX
KW Nuclear factor of activated T-lymphocytes; NFAT; interleukin 2;
KW transcriptional regulator; early activation gene; glycoconjugate;
KW calicheamicin-MG; purine-rich core sequence; immune suppression; ss.
XX
OS Homo sapiens.
XX
PN WO9505389-A1.
XX
PD 23-FEB-1995.
XX
PF 15-AUG-1994; 94WO-US009123.
XX
PR 18-AUG-1993; 93US-00109271.
XX
PA (STRD) UNIV LELAND STANFORD JUNIOR.
PA (UYVA) UNIV YALE.
PA (HARD) HARVARD COLLEGE.
XX
PI Ho SN, Schreiber SL, Danishefsky SJ, Crabtree GR;
XX WPI; 1995-098716/13.
XX
PT Compsn. contg. sequence specific glyco-conjugate DNA ligand - for
PT modulating gene transcription, e.g. to induce immunosuppression, does not
PT cause DNA cleavage, also new ligand.
XX
PS Disclosure; Page 24; 85pp; English.
XX
CC New glycoconjugates are able to modulate transcriptional activity of
CC specific genes in eukaryotic cells by selectively inhibiting binding
CC interactions between DNA-binding proteins and their recognition sites.
CC Glycoconjugate DNA ligands which preferentially bind to an NFAT
CC recognition sequence as compared to an APl or Spl sequence are preferred.
CC Such ligands inhibit NFAT-DNA complex formation or displace pre-formed
CC complexes and are useful for inducing immune suppression. (Updated on 25-
CC MAR-2003 to correct PN field.)
XX

SQ Sequence 20 BP; 9 A; 1 C; 6 G; 4 T; 0 U; 0 Other;
Query Match 11.4%; Score 14.8; DB 1; Length 20;
Best Local Similarity 88.9%; Pred. No. 97;
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1394 AAAGGAGGTAAAATTGTT 1411
Db 2 AAAGGAGGAAAACACTGTT 19
|||||

RESULT 14
AAD34038
ID AAD34038 standard; DNA; 20 BP.
XX
AC AAD34038;
XX
DT 16-JUL-2002 (first entry)
XX
DE Human NF-AT binding site DNA #3.
XX
KW Human; immunosuppressive; cytoplasmic nuclear factor of activated T cell;
KW NF-ATc; nuclear translocation; ds.
XX
OS Homo sapiens.
XX
PN US6352830-B1.
XX
PD 05-MAR-2002.
XX
PF 15-JAN-1999; 99US-00232346.
XX
PR 22-AUG-1991; 91US-00749385.
PR 20-SEP-1993; 93US-00124981.
PR 18-APR-1994; 94US-00228944.
PR 13-JUN-1994; 94US-00260174.
PR 31-JUL-1995; 95US-00507032.
XX
PA (STRD) UNIV LELAND STANFORD JUNIOR.
XX
PI Crabtree GR, Northrop JP, Ho SN, Flanagan WM;
XX WPI; 2002-314700/35.
XX
PT Identifying immunosuppressive agent comprises contacting cell having
PT cytoplasmic NF-AT polypeptide with inducer of polypeptide cytoplasmic
PT translocation, in presence and absence of test agent, and assaying the
PT translocation.
XX
PS Disclosure; Col 38; 83pp; English.
XX
CC The invention relates to a method for identifying an immunosuppressive
CC agent. The method comprising: contacting a cell containing cytoplasmic
CC nuclear factor of activated T cell (NF-ATc) polypeptide with a compound
CC that induces nuclear translocation of the polypeptide; and nuclear
CC translocation of the NF-ATc is assayed. The method is useful for
CC identifying an immunosuppressive agent and an immune regulating agent.
CC The present sequence is human NF-AT binding site DNA
XX
SQ Sequence 20 BP; 9 A; 1 C; 6 G; 4 T; 0 U; 0 Other;
Query Match 11.4%; Score 14.8; DB 1; Length 20;
Best Local Similarity 88.9%; Pred. No. 97;
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1394 AAAGGAGGTAAAATTGTT 1411
Db 2 AAAGGAGGAAAACACTGTT 19
|||||

RESULT 15
ADA66410
ID ADA66410 standard; DNA; 20 BP.

XX ADA66410;
AC 20-NOV-2003 (first entry)
XX NF-AT DNA binding site #2.
DE ds; human; immunosuppression; NF-ATc; NF-ATn;
XX T lymphocyte activation gene expression; T lymphocyte; T cell neoplasm;
KW T cell hyperfunction; T cell hypofunction; forensic identification.
KW Homo sapiens.
OS US2003049641-A1.
XX 13-MAR-2003.
XX 07-JAN-2002; 2002US-00040430.
XX 22-AUG-1991; 91US-00749385.
PR 20-SEP-1993; 93US-00124981.
PR 18-APR-1994; 94US-00228944.
PR 13-JUN-1994; 94US-00260174.
PR 31-JUL-1995; 95US-00507032.
PR 15-JAN-1999; 99US-00232346.
XX (CRAB/) CRABTREE G R.
PA (NORT/) NORTHROP J P.
PA (HOSN/) HO S N.
PA (FLAN/) FLANAGAN W M.
XX Crabtree GR, Northrop JP, Ho SN, Flanagan WM;
PI WPI; 2003-615796/58.
XX Identifying an immunosuppressive agent comprises contacting a cell
PT containing or capable of expressing NF-ATc and NF-ATn with one or more
PT compounds that induces nuclear translocation of NF-ATc and NF-ATn.
XX Disclosure; Page 21; 65pp; English.
XX The invention relates to a method of identifying an immunosuppressive
CC agent which comprises contacting a cell containing or capable of
CC expressing NF-ATc and NF-ATn with one or more compounds that induces
CC nuclear translocation of NF-ATc and NF-ATn. The method is useful in
CC determining or controlling the expression of early T lymphocyte
CC activation genes and the expression of selected constitutive genes that
CC can be advantageously expressed in T lymphocytes. Agents that modulate
CC the nuclear import of the cytoplasmic subunit of NF-AT or the induction
CC of the nuclear subunit of NF-AT are useful as immunosuppressant agents.
CC The NF-AT polynucleotides may be used for diagnosing pathological
CC conditions or genetic diseases involving T cell neoplasms or T cell
CC hyperfunction or hypofunction, and conditions of NF-ATc polypeptide,
CC alterations in the structure or abundance of NF-ATc polypeptide,
CC polynucleotide or gene structure, as hybridisation probes or as PCR
CC amplimers for detecting the presence of NF-ATc mRNA to diagnose a disease
CC and for forensic identification of individuals, e.g. for the
CC identification of descendants, paternity or criminal identification. The
CC present sequence represents an NF-AT DNA binding site.
XX Sequence 20 BP; 9 A; 1 C; 6 G; 4 T; 0 U; 0 Other;
SQ Query Match 11.4%; Score 14.8; DB 1; Length 20;
Best Local Similarity 88.9%; Pred. No. 97;
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
QY 1394 AAAGGAGGTAATAATTGTT 1411
DB 2 AAAGGAGGTAATAACTGTT 19
RESULT 16
ADB44698/c

ID ADB44698 standard; DNA; 17 BP.
XX ADB44698;
AC 18-DEC-2003 (first entry)
XX Tumour suppression/reversion associated nucleotide #5021.
DE cytostatic; antiviral; neuroprotective; nootropic; neuroleptic; ss;
XX primer; probe; tumour suppression; tumour reversion; apoptosis;
KW virus resistance; transgenic animals; Alzheimer's disease; schizophrenia;
KW diagnosis.
XX Homo sapiens.
OS WO2003040369-A2.
XX 15-MAY-2003.
XX 17-SEP-2002; 2002WO-IB004219.
PF 17-SEP-2001; 2001FR-00011981.
XX (MOLE-) MOLECULAR ENGINES LAB.
XX Telerman A, Amson R, Tuijnder M;
PI WPI; 2003-441574/41.
XX New nucleic acid encoding human prostate membrane-specific antigen,
PT useful e.g. for treatment of tumors and viral infection, also related
PT polypeptide and antibodies.
XX Disclosure; Page 619; 771pp; French.
XX The invention relates to the isolation of 6327 nucleotide sequences,
CC fragments of at least 15 consecutive nucleotides of these nucleotides, a
CC sequence having at least 80% identity, after optimal alignment, with the
CC nucleotides, a sequence that hybridizes under stringent conditions with
CC the nucleotides, or the complement, or corresponding RNA, of the
CC nucleotides. The nucleotides are used as probes or primers for detecting,
CC identifying, quantifying and/or amplifying nucleic acids, as in vitro
CC sense and antisense sequences, of nucleotides involved in tumour
CC suppression or reversion, apoptosis and or viral resistance, to produce
CC recombinant polypeptides, and to prepare transgenic animals, as
CC experimental models. The nucleotides (also vectors containing them and
CC cells containing the vectors), the encoded polypeptides and antibodies
CC (Ab) against the polypeptide are useful for prevention and/or treatment
CC of viral infections or diseases characterized by development of tumours
CC or cell degeneration (e.g. Alzheimer's disease or schizophrenia).
CC Analysis of the expression of the nucleotides can be used for diagnosis
CC and/or prognosis of these diseases. The nucleotides and polypeptides can
CC also be used to screen for their specific interactive molecules,
CC potentially useful for treating diseases associated with abnormal
CC expression of the nucleotides.
XX Sequence 17 BP; 7 A; 2 C; 2 G; 6 T; 0 U; 0 Other;
SQ Query Match 11.1%; Score 14.4; DB 1; Length 17;
Best Local Similarity 93.8%; Pred. No. 92;
Matches 15; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1402 TAAAATTGTTAATGAT 1417
DB 17 TAAACTTGTTAATGAT 2
RESULT 17
AAZ02237
ID AAZ02237 standard; DNA; 20 BP.
XX AAZ02237;
XX

```
DT 07-OCT-1999 (first entry)
XX
DE PCR primer used to amplify an ORF of Chlamydia trachomatis.
XX
KW Vaccine; eye disease; conventional trachoma; nonendemic trachoma;
KW paratrachoma; inclusion conjunctivitis; genital disease; perihepatitis;
KW nongonococcal urethritis; epididymitis; cervicitis; salpingitis; PCR primer;
KW bartholinitis; pneumopathy; venereal lymphogranulomatosis; ss.
XX
OS Synthetic.
OS Chlamydia trachomatis.
XX
PN WO9928475-A2.
XX
PD 10-JUN-1999.
XX
XX 27-NOV-1998; 98WO-IB001939.
XX
PF 28-NOV-1997; 97FR-00015041.
PR 17-DEC-1997; 97FR-00016034.
PR 04-NOV-1998; 98US-0107077P.
XX
PA (GEST ) GENSET.
XX
PI Griffais R;
XX
DR WPI; 1999-371125/31.
XX
PT Genome sequence of Chlamydia trachomatis.
XX
PS Disclosure; Page 1508; 1755pp; English.
XX
CC PCR primers AAZ01426-Z06209 were used to amplify open reading frames
CC (ORFs) of the genome of Chlamydia trachomatis (see AAZ01425). These ORFs
CC encode polypeptides (see AAY36754-Y37949) which can be used as vaccines
CC against Chlamydia trachomatis. Antisense and ribozyme sequences can also
CC be used to control growth of the microorganism. Chlamydia trachomatis is
CC responsible for a large number of diseases, e.g. eye diseases such as
CC conventional trachoma, nonendemic trachoma, paratrachoma, and inclusion
CC conjunctivitis; genital diseases such as nongonococcal urethritis,
CC epididymitis, cervicitis, salpingitis, perihepatitis, bartholinitis;
CC pneumopathy in breast feeding infants; and venereal lymphogranulomatosis.
CC The polypeptides of the invention may be of use in treating these
CC diseases
XX
SQ Sequence 20 BP; 4 A; 5 C; 7 G; 4 T; 0 U; 0 Other;

Query Match 10.9%; Score 14.2; DB 1; Length 20;
Best Local Similarity 84.2%; Pred. No. 1.3e+02;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1385 CTTCTGATCAAGGAGGTA 1403
Db 1 CTGCTGCTCCAGGAGGTA 19

RESULT 18
AAx94447/c
ID AAX94447 standard; DNA; 20 BP.
XX
AC AAX94447;
XX
DT 13-SEP-1999 (first entry)
XX
DE PCR primer used to amplify an ORF of Chlamydia pneumoniae.
XX
KW Respiratory disease; pneumonia; bronchitis; heart disease; sarcoidosis;
KW sinusitis; purulent otitis media; erythema nodosum; pharyngitis; vaccine;
KW neutralising epitope; PCR primer; ss.
XX
OS Synthetic.
OS Chlamydophila pneumoniae.
XX

PN WO9927105-A2.
XX
PD 03-JUN-1999.
XX
XX 20-NOV-1998; 98WO-IB001890.
XX
PR 21-NOV-1997; 97FR-00014673.
PR 04-NOV-1998; 98US-0107078P.
XX
PA (GEST ) GENSET.
XX
PI Griffais R;
XX
DR WPI; 1999-357842/30.
XX
PT Genome sequence of Chlamydia pneumoniae.
XX
PS Page 1670; Disclosure; 1912pp; English.
XX
CC AAX91991-X97517 represent PCR primers used to amplify open reading frames
CC and other nucleic acid sequences from the genome of Chlamydia pneumoniae
CC (see AAX91990). C. pneumoniae causes respiratory disease such as
CC pneumonia and bronchitis and is thought to be a contributing factor in
CC heart disease, sarcoidosis, sinusitis, purulent otitis media, erythema
CC nodosum or pharyngitis. The polypeptides encoded by the open reading
CC frames of the C. pneumoniae genome (see AAY34584- AAY35879) can be used
CC in immunogenic compositions as vaccines. Vectors containing C. pneumoniae
CC nucleotides sequences can also be used as immunogenic compositions,
CC especially where the vector directs the expression of a neutralising
CC epitope of C. pneumoniae
XX
SQ Sequence 20 BP; 3 A; 4 C; 4 G; 9 T; 0 U; 0 Other;

Query Match 10.9%; Score 14.2; DB 1; Length 20;
Best Local Similarity 84.2%; Pred. No. 1.3e+02;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1354 GAAAAATATTCACGCATC 1372
Db 20 GAAAAAATGCGACGCATC 2

RESULT 19
AAA66196
ID AAA66196 standard; DNA; 20 BP.
XX
AC AAA66196;
XX
DT 09-OCT-2000 (first entry)
XX
DE Dog genomic marker oligonucleotide sequence SEQ ID NO:58.
XX
KW Dog; genome; genomic marker; radiation hybrid map; identification;
KW chromosome location; gene marker; polymorphic microsatellite marker;
KW phenotype; behaviour; pedigree; ss.
XX
OS Canis familiaris.
XX
PN WO200029615-A2.
XX
PD 25-MAY-2000.
XX
PF 15-NOV-1999; 99WO-IB001907.
XX
PR 13-NOV-1998; 98US-0108193P.
XX
PA (CNRS ) CNRS CENT NAT RECH SCI.
XX
PI Galibert F, Andre C;
XX
DR WPI; 2000-387821/33.
XX
PT New radiation hybrid map of the dog, Canine familiaris, genome, useful
```

PT for e.g. identifying genes implicated in phenotypic and behavioral traits
PT or in genetic diseases and for studying dog pedigrees.
XX
PS Claim 1; Page 55; 87pp; English.

XX The present invention describes a radiation hybrid map of the dog (Canine
CC familiaris) genome comprising the genome location of a marker selected
CC from AAA66139 to AAA66942. The radiation hybrid map is useful for
CC identifying and localising dog genes, since it covers approximately 80 %
CC of the dog genome and provides a dense map integrating different types
CC (i.e. Type I and Type II) of markers. The map and the dog genome markers
CC (or complementary sequences) are especially useful to identify genes
CC responsible for phenotypic and behavioural traits in dogs, to identify
CC morbid genes, to analyse diseases and identify implicated genes in such
CC diseases and their alleles, and to study dog pedigrees. They may also be
CC useful for isolating corresponding human gene sequences e.g. genes
CC involved in genetic diseases

XX SQ Sequence 20 BP; 9 A; 2 C; 6 G; 3 T; 0 U; 0 Other;

Query Match 10.9%; Score 14.2; DB 1; Length 20;
Best Local Similarity 84.2%; Pred. No. 1.3e+02;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1435 AGACATATACATGGAAGAT 1453
Db 2 AGACATGGACAAGGAAGAT 20

RESULT 20
ABZ93979/c
ID ABZ93979 standard; DNA; 20 BP.

XX AC ABZ93979;

DT 17-OCT-2003 (first entry)

XX DE Human oligonucleotide sequence.

XX Human; antisense; lung dysfunction; nasal airway dysfunction;
KW antiinflammatory steroid; ubiquinone; antiinflammatory; antiallergic;
KW antiasthmatic; hypotensive; immunosuppressive; cytostatic; gene therapy;
KW antisense gene therapy; respiratory; lung; adenosine sensitivity;
KW adenosine receptor; bronchodilation; bronchoconstriction; lung allergy;
KW lung inflammation; respiratory disease; ds.

XX OS Homo sapiens.

XX PN WO200285308-A2.

XX PD 31-OCT-2002.

XX PF 23-APR-2002; 2002WO-US013135.

XX PR 24-APR-2001; 2001US-0286137P.

XX PA (EPIG-) EPIGENESIS PHARM INC.

XX PI Nyce JW, Li Y, Sandrasagra A, Katz E, Pabalan J, Aguilar D;

XX PI Miller S, Tang L, Shahabuddin S;

XX DR WPI; 2003-229219/22.

XX Pharmaceutical composition for treating ailments associated with impaired
PT respiration, has oligo(s) antisense to specific gene(s) or its
PT corresponding RNAs, and glucocorticoid or non-glucocorticoid steroid or
PT ubiquinone.

XX PS Disclosure; SEQ ID NO 9221; 872pp; English.

XX The invention relates to a novel pharmaceutical composition, which has a
CC first active agent comprising an oligonucleotide antisense to the
CC initiation codon, coding region, 5' or 3' end genomic flanking regions,

CC 5' and 3' intron-exon junctions, or regions within 2-10 nucleotides of
CC junctions of genes encoding a polypeptide associated with lung and/or
CC nasal airway dysfunction and a second active agent comprising an
CC antiinflammatory steroid and ubiquinone. A composition of the invention
CC has antiinflammatory, antiallergic, antiasthmatic, hypotensive,
CC immunosuppressive, and cytostatic activity. The composition may have a
CC use in antisense gene therapy. The composition is useful for treating or
CC preventing a respiratory, lung or malignant disease or condition, also
CC for enhancing the prophylactic or therapeutic respiratory effect of an
CC antiinflammatory steroid in a subject, for reducing or depleting levels
CC of, or reducing sensitivity to adenosine, reducing levels of adenosine or
CC receptor, producing bronchodilation, increasing levels of ubiquinone or
CC lung surfactant in a subject's tissue, or treating bronchoconstriction,
CC lung inflammation, lung allergies, or a respiratory disease or condition.
CC Note: The sequence data for this patent is not represented in the printed
CC specification, but was obtained in electronic format directly from WIPO
CC at ftp.wipo.int/pub/published_pct_sequences

XX SQ Sequence 20 BP; 11 A; 2 C; 0 G; 7 T; 0 U; 0 Other;

Query Match 10.9%; Score 14.2; DB 1; Length 20;
Best Local Similarity 84.2%; Pred. No. 1.3e+02;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1399 AGGTAAATTTGTTAATGAT 1417
Db 19 AGGTAAATTTTATTAT 1

RESULT 21

ABX04789

ID ABX04789 standard; DNA; 18 BP.

XX AC ABX04789;

DT 15-JAN-2003 (first entry)

XX DE Guanylate kinase gene associated oligonucleotide #7.

XX Herpesviridae; thymidine kinase; TK; DRH nucleoside binding region;
KW viral inhibitor; bacterial inhibitor; parasite inhibitor; tumour;
KW autoreactive immune cell; cancer; hyperkeratosis; psoriasis;
KW prostate hypertrophy; hyperthyroidism; endocrinopathy; allergy;
KW autoimmune disease; restenosis; viral disease; AIDS; hepatitis; HCV; HBV;
KW acquired immunodeficiency syndrome; intracellular parasitic disease;
KW gene therapy; adenosine deaminase deficiency; Alzheimer's disease; ss;
KW guanylate kinase.

XX OS Homo sapiens.

XX PN US6451571-B1.

XX PD 17-SEP-2002.

XX PF 17-MAR-1999; 99US-00270956.

XX PR 02-MAY-1994; 94US-00237592.

XX PR 02-MAY-1995; 95US-00432871.

XX PR 02-NOV-1995; 95US-00552304.

XX PA (UNIW) UNIV WASHINGTON.

XX PI Loeb LA, Black ME;

XX DR WPI; 2003-045581/04.

XX Novel Herpesviridae thymidine kinase mutant useful for inhibiting
PT pathogens e.g. viruses, bacteria, tumor in animals, has one or more
PT mutations encoding amino acid substitutions upstream from the DRH
PT nucleoside binding site.

XX Example 9; Col 47; 78pp; English.

XX PS

XX

CC The invention describes an isolated Herpesviridae thymidine kinase (TK) comprising a 12 amino acid (aa) nucleoside binding region having a site 3 made up of a DRH nucleoside binding site and a site 4 and mutation(s), at least one of the mutations being an aa substitution 2 or 3 aa upstream or 5 or more aa downstream from the DRH motif that increases a biological activity, preferably ability of TK to phosphorylate a nucleoside analogue, as compared to unmutated TK. TK mutants are useful for inhibiting a pathogenic agent such as viruses, bacteria, parasites, tumour cells or autoreactive immune cells in a warm-blooded animal. TK mutant is useful for inhibiting a tumour or cancer in a warm-blooded animal, for treating a variety of disease e.g., hyperkeratosis (psoriasis), prostate hypertrophy, hyperthyroidism, endocrinopathies, autoimmune diseases, allergies, restenosis, viral diseases such as acquired immunodeficiency syndrome (AIDS) hepatitis (HCV or HBV), intracellular parasitic diseases, and to correct aberrant expression of a gene within a cell, or to replace a specific gene which is defective in proper expression using gene therapy, e.g. including adenosine deaminase deficiency, and Alzheimer's diseases. The mutants are utilised as a conditionally lethal marker for homologous recombination. This sequence represents an oligonucleotide used in the isolation, purification and characterisation of guanylate kinase

SQ Sequence 18 BP; 6 A; 4 C; 3 G; 5 T; 0 U; 0 Other;

Query Match 10.8%; Score 14; DB 1; Length 18;
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1409 GTTAATGATGACCA 1422
|||||
Db 1 GTTAATGATGACCA 14

RESULT 22
ABV79885/c
ID ABV79885 standard; DNA; 17 BP.
XX ABV79885;

AC ABV79885;
XX
DT 03-JAN-2003 (first entry)
XX
DE Human HTPL scanning oligonucleotide SEQ ID 1131.
XX

KW Human; gene therapy; tumour suppressor; HTPL; chromosome 10p12.1;
KW human testis expressed Patched like protein; testis; adrenal; liver;
KW male germ cell development; bone marrow; brain; kidney; lung; placenta;
KW prostate; skeletal muscle; colon; male infertility; cancer; ss.

OS Homo sapiens.
XX EP1229046-A2.
PN
XX
PD 07-AUG-2002.
XX
PF 28-JAN-2002; 2002EP-00001167.
XX
PR 30-JAN-2001; 2001WO-US000663.
PR 30-JAN-2001; 2001WO-US000664.
PR 30-JAN-2001; 2001WO-US000665.
PR 30-JAN-2001; 2001WO-US000667.
PR 30-JAN-2001; 2001WO-US000668.
PR 30-JAN-2001; 2001WO-US000669.
PR 23-MAY-2001; 2001US-00864761.
PR 09-OCT-2001; 2001US-0327898P.
XX

PA (ABOM-) AEOMICA INC.

XX Zhan J;

XX WPI; 2002-676582/73.

XX Novel isolated human testis expressed Patched like protein (HTPL), useful
PT for identifying agonist and antagonist and specific binding partners, and

PT for treating subjects having defects in HTPL.

XX Example 2; Page 212; 718pp; English.

CC The present invention relates to human testis expressed Patched like protein (HTPL, see ABV78759 to ABV78762 and ABB98519 to ABB98520). HTPL has two isoforms, with a few single base pair differences between the two. One of the single base pair changes introduces a premature stop codon in HTPL-S (S for short) compared to HTPL-L (L for long). HTPL shares an overall structure organisation with the Patched protein. The shared structural features strongly imply that HTPL plays a role similar to that of Patched, and is a potential tumour suppressor. HTPL is important in regulating male germ cell development, and the HTPL gene was mapped to human chromosome 10p12.1. HTPL and its coding sequence are useful for diagnosing a disorder caused by mutation in HTPL, and in therapy and manufacture of a medicament for treatment or prevention of such disorder associated with decreased expression or activity of human HTPL. Such disorders include disorders of testis, or adrenal, adult and foetal liver, bone marrow, brain, kidney, lung, placenta, prostate, skeletal muscle or colon function. HTPL proteins and nucleic acids are clinically useful diagnostic markers and potential therapeutic agents for male infertility and cancer. The present oligonucleotide was used in an example from the invention

SQ Sequence 17 BP; 4 A; 6 C; 2 G; 5 T; 0 U; 0 Other;

Query Match 10.6%; Score 13.8; DB 1; Length 17;
Best Local Similarity 88.2%; Pred. No. 1.2e+02;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1457 TTGATCAAGCAAAATAGG 1473
|||||
Db 17 TTGATCGAGCAAAATGGG 1

RESULT 23
ABK17908
ID ABK17908 standard; RNA; 17 BP.
XX ABK17908;

AC ABK17908;
XX
DT 09-APR-2002 (first entry)
XX

DE Human ERG hammerhead ribozyme target sequence, Seq ID No 555.

KW Human; hammerhead ribozyme; cytostatic; antitumour; antidiabetic;
KW ophthalmological; antiarthritic; antipsoriatic; virucide; osteopathic;
KW vulnery; cancer; lymphoma; Ewing's sarcoma; melanoma; psoriasis;
KW tumour angiogenesis; diabetic retinopathy; macular degeneration;
KW neovascular glaucoma; myopic degeneration; arthritis; verruca vulgaris;
KW angiofibroma of tuberous sclerosis; port-wine stain; wound healing;
KW Sturge Weber syndrome; Kippel-Trenaunay-Weber syndrome; leukaemia; ss;
KW Osler-Weber-rendu syndrome, leukaemia; osteoporosis; DNAzyme; inozyme;
amberzyme.

XX Homo sapiens.

OS WO200188124-A2.

PN 22-NOV-2001.

PD 16-MAY-2001; 2001WO-US015866.

PF 16-MAY-2000; 2000US-00572021.

XX (RIBO-) RIBOZYME PHARM INC.

PA (GLAX) GLAXO GROUP LTD.

XX Jarvis T, Von Carlowitz I, Mcswiggen JA, McLaughlin F, Randi AM;

PI WPI; 2002-082995/11.

XX Novel polynucleotide which down regulates expression of Ets-related gene,

PT useful for treating cancer, diabetic retinopathy, macular degeneration,
PT arthritis, psoriasis, verruca vulgaris and Sturge Weber syndrome.
XX
PS Claim 4; Page 69; 149pp; English.
XX
CC The invention relates to a nucleic acid molecule (I) which down regulates
CC expression of an Ets-related gene (ERG). (I) is useful for treating
CC conditions selected from cancer, lymphoma, Ewing's sarcoma, melanoma,
CC tumour angiogenesis, diabetic retinopathy, macular degeneration,
CC neovascular glaucoma, myopic degeneration, arthritis, psoriasis, verruca
CC vulgaris, angiofibroma of tuberous sclerosis, port-wine stains, Sturge
CC Weber syndrome, Kippel-Trenaunay-Weber syndrome, Osler-Weber-rendu
CC syndrome, leukaemia, osteoporosis and wound healing. (I) is useful for
CC treating a patient having a condition associated with the level of ERG,
CC by contacting cells of the patient with (I) under conditions suitable for
CC the treatment. The method comprises the use of one or more therapies
CC under conditions suitable for the treatment. Leukaemia or tumour
CC angiogenesis is treated by administering (I) to the patient in
CC conjunction with one or more of other therapies such as radiation or
CC chemotherapy treatment. (I) is useful for reducing ERG activity in a
CC cell, by contacting the cell with (I). (I) is useful for cleaving RNA of
CC ERG gene, by contacting (I) with RNA, in the presence of a divalent
CC cation such as Mg2+. (I) is useful for diagnosis of conditions and
CC diseases related to the expression of ERG, and as diagnostic tool to
CC examine genetic drift and mutations within diseased cells or to detect
CC the presence of ERG RNA in a cell. (I) is useful for specifically
CC targeting genes that share homology with ERG gene or ERG fusion genes.
CC ABK17354-ABK22719 represent nucleic acids, including antisense and
CC enzymatic nucleic acid molecules which regulate expression of ERG, and
CC related PCR primers of the invention
XX
SQ Sequence 17 BP; 3 A; 3 C; 6 G; 0 T; 5 U; 0 Other;

Query Match 10.6%; Score 13.8; DB 1; Length 17;
Best Local Similarity 58.8%; Pred. No. 1.2e+02;
Matches 10; Conservative 5; Mismatches 2; Indels 0; Gaps 0;

QY 1414 TGATGACCAGTCGTTCT 1430
Db :||| ||||| :||| :
1 UGAGGACCAGUCGUUGU 17

RESULT 24
ADE25230/C
ID ADE25230 standard; DNA; 17 BP.
XX
AC ADE25230;
XX
DT 29-JAN-2004 (first entry)
XX
DE Plant growth associated polynucleotide seq id 205.
XX
KW plant growth; plant growth trait modulation; Brassicaceae; Arabidopsis;
KW Brassica; Zea; Oryza; Triticum; Hordeum; Lolium; Sorghum; Glycine;
KW Medicago; Helianthus; Lactuca; Beta; Vitis; Solanum; Lycopersicon;
KW Capsicum; Gossypium; Hevea; Linum; Prunus; Citrus; Populus; Pinus;
KW Quercus; ss.
XX
OS Magnoliophyta.
XX
PN US2003188343-A1.
XX
PD 02-OCT-2003.
XX
PF 07-JAN-2003; 2003US-00338777.
XX
PR 09-JAN-2002; 2002US-0347288P.
XX
PA (LYNX-) LYNX THERAPEUTICS INC.
XX
PI Bowen BA, Haudenschild CD, Buckler ES;
XX
DR WPI; 2003-803305/75.

XX New isolated or recombinant polypeptide for use in modulating a plant
PT growth trait in a flowering plant e.g. in Arabidopsis, Brassica, Zea, or
PT Oryza.
XX
PS Example 2; SEQ ID NO 205; 81pp; English.
XX
CC The invention describes an isolated or recombinant polypeptide (I)
CC comprising a sequence: (a) comprising 1 of 30 sequences (S1), as given in
CC the specification, or a conservative variant; (b) encoded by 1 of 30
CC sequences (S2), as given in the specification, or a conservative variant;
CC (c) encoded by a sequence that hybridises under stringent conditions to
CC S2; and (d) encoded by a sequence 70 % identical to S2. The expression or
CC activity of (I) is modulated to modulate a plant growth trait in a
CC flowering plant, of the family Brassicaceae, preferably in a plant that
CC is Arabidopsis, Brassica, Zea, Oryza, Triticum, Hordeum, Lolium, Sorghum,
CC Glycine, Medicago, Helianthus, Lactuca, Beta, Vitis, Solanum,
CC Lycopersicon, Capsicum, Gossypium, Hevea, Linum, Prunus, Citrus, Populus,
CC Pinus, or Quercus. A new method is used to detect genes for a plant
CC growth trait. This sequence represents a polynucleotide isolated from the
CC plant growth associated genes of the invention that can be used a a
CC primer, probe or genetic marker.
XX
SQ Sequence 17 BP; 6 A; 5 C; 1 G; 5 T; 0 U; 0 Other;

Query Match 10.6%; Score 13.8; DB 1; Length 17;
Best Local Similarity 88.2%; Pred. No. 1.2e+02;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1446 TGAAGATCGGTTGATC 1462
Db ||||| ||||| |||||
17 TGAAGATGATTGATC 1

RESULT 25
ACA96828
ID ACA96828 standard; DNA; 18 BP.
XX
AC ACA96828;
XX
DT 24-JUL-2003 (first entry)
XX
DE Human glial cell derived neurotrophic factor (GDNF) PCR primer #22.
XX
KW Human; glial cell derived neurotrophic factor; GDNF; PCR; primer; ss;
KW nervous system disease.
XX
OS Homo sapiens.
XX
PN CN1364812-A.
XX
PD 21-AUG-2002.
XX
PF 11-JAN-2001; 2001CN-00107450.
XX
PR 11-JAN-2001; 2001CN-00107450.
XX
PA (YISH-) YISHENG BIOLOGICAL PHARM CO LTD SHUHA1.
XX
PI Zhou S, Zheng Z, Feng H;
XX
DR WPI; 2003-000523/01.
XX
PT Human glial cell derived neurotrophic factor and its derivatives and use.
XX
PS Claim 6; Page 3 (Claims); 28pp; Chinese.
XX
CC The invention relates to the human glial cell derived neurotrophic factor
CC (GDNF) and its derivatives and use. The invention also relates to a
CC method of obtaining DNA encoding human glial cell derived neurotrophic
CC factor or its active segments and a method of purifying and fining coarse
CC GDNF. A composition comprising human glial cell derived neurotrophic
CC factor and a medicinal acceptable carrier can be used in the treatment of

```
CC nervous system diseases. Sequences ACA96807-ACA96859 represent PCR
CC primers used to amplify human GDNF cDNA
XX
SQ Sequence 18 BP; 3 A; 3 C; 5 G; 7 T; 0 U; 0 Other;

Query Match      10.6%; Score 13.8; DB 1; Length 18;
Best Local Similarity 88.2%; Pred. No. 1.3e+02;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1410 TTAATGATGACCACTCG 1426
Db 2 TTGATGATGACCTGTCG 18

RESULT 26
ABZ75456
ID ABZ75456 standard; DNA; 18 BP.
XX
AC ABZ75456;
XX
DT 10-MAY-2003 (first entry)
XX
DE Human EPSTI1 exon 9 splice donor.
XX
KW Human; epithelial stromal interaction 1; EPSTI1; cytostatic; cancer;
KW gene therapy; metastatic cancer; breast; placenta; lymphoid tissue;
KW ovary; testis; thymus; lung; stomach; small intestine; colon; pancreas;
KW spleen; skin; exon; splice acceptor; splice donor; ds.
XX
OS Homo sapiens.
XX
PN WO2003006641-A2.
XX
PD 23-JAN-2003.
XX
PF 09-JUL-2002; 2002WO-DK000478.
XX
PR 09-JUL-2001; 2001DK-00001074.
PR 22-APR-2002; 2002DK-00000601.
XX
PA (UYKO-) UNIV KOBENHAVNS.
XX
PI Petersen OW, Nielsen HL, Petersen LR;
XX
DR WPI; 2003-221745/21.
XX
PT New isolated EPSTI1 nucleic acid molecule upregulated upon direct
PT interaction between tumor and stromal cells, useful for the diagnosis and
PT prognosis of breast, ovarian, lung, stomach, colon, pancreatic, spleen
PT and skin cancer.
XX
PS Example 2; Page 40; 75pp; English.
XX
CC The invention relates to the novel human nucleic acid encoding an
CC epithelial stromal interaction 1 (EPSTI1) polypeptide. The protein of the
CC invention has cytostatic activity. The polynucleotide may have a use in
CC gene therapy. The methods and compositions of the present invention
CC utilising the EPSTI1 gene are useful for the diagnosis and prognosis of
CC cancer, in particular metastatic cancer of the breast, placenta, lymphoid
CC tissue, ovary, testis, thymus, lung, stomach, small intestine, colon,
CC pancreas, spleen, skin or extracellular body fluids. The oligonucleotides
CC are used in the treatment of the above. The sequences shown in ABZ75438-
CC ABZ75457 represent splice donor/acceptor sites at the exon boundaries of
CC the human EPSTI1 gene
XX
SQ Sequence 18 BP; 8 A; 3 C; 5 G; 2 T; 0 U; 0 Other;

Query Match      10.6%; Score 13.8; DB 1; Length 18;
Best Local Similarity 88.2%; Pred. No. 1.3e+02;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1393 CAAAGGAGGTAAATTG 1409
||| ||||| ||||| |||
```

```
Db 2 CACAGGAGGTAAACTG 18

RESULT 27
AA85441
ID AAA85441 standard; DNA; 19 BP.
XX
AC AAA85441;
XX
DT 04-DEC-2000 (first entry)
XX
DE Cyclin A1 ribozyme binding site #63.
XX
KW Ribozyme; hairpin; hammerhead; gene therapy; vasotropic; restenosis; ss.
XX
OS Mammalia.
XX
PN WO200032765-A2.
XX
PD 08-JUN-2000.
XX
PF 06-DEC-1999; 99WO-US028772.
XX
PR 04-DEC-1998; 98US-0110954P.
XX
PA (IMMU-) IMMUSOL INC.
XX
PI Tritz R, Welch PJ, Barber JR, Robbins JM;
XX
DR WPI; 2000-412314/35.
XX
PT New hairpin and hammerhead ribozyme for inhibiting restenosis, cleaves
PT RNA encoding a cyclin or cell-cycle dependent kinase other than CDK1,
PT PCNA and Cyclin B1.
XX
PS Disclosure; Page 92; 109pp; English.
XX
CC The present invention relates to a hairpin or hammerhead ribozyme,
CC designed to cleave RNA encoding a cyclin or cell-cycle dependent kinase
CC other than cell-cycle dependent kinases CDK1, PCNA and Cyclin B1.
CC Representative examples of ribozyme recognition sites are given in
CC AAA82415 to AAA86787. The ribozyme of the invention is useful for
CC inhibiting restenosis by introduction of the ribozyme into cells. The
CC ribozyme is resistant to endonuclease activity and hence is efficient in
CC restenosis treatment
XX
SQ Sequence 19 BP; 6 A; 3 C; 4 G; 6 T; 0 U; 0 Other;

Query Match      10.6%; Score 13.8; DB 1; Length 19;
Best Local Similarity 88.2%; Pred. No. 1.4e+02;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1436 GACATATACATGGAAGA 1452
||| ||| ||||| |||
Db 3 GACATCTACATGGATGA 19

RESULT 28
AAZ71553/c
ID AAZ71553 standard; DNA; 19 BP.
XX
AC AAZ71553;
XX
DT 10-SEP-2001 (first entry)
XX
DE Human biallelic marker upstream amplification primer SEQ ID NO:5909.
XX
KW Human genome; biallelic marker; high density disequilibrium map;
KW genomic map; haplotype; phenotype; polymorphic base; genotyping;
KW haplotyping; hybridisation; identification; characterisation;
KW amplification; single nucleotide polymorphism; SNP; PCR primer;
KW diagnosis; ss.
XX
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```
OS Homo sapiens.
XX
PN WO9954500-A2.
XX
XX 28-OCT-1999.
XX
XX 21-APR-1999; 99WO-IB0000822.
XX
XX 21-APR-1998; 98US-0082614P.
XX 23-NOV-1998; 98US-0109732P.
XX
XX (GEST ) GENSET.
XX
XX Cohen D, Blumenfeld M, Chumakov I;
XX WPI; 2000-013267/01.
XX
XX Novel biallelic markers used to construct a high density disequilibrium
XX map of the human genome.
XX
XX Claim 8; Page 1490; 2745pp; English.
XX
XX AAZ65654 to AAZ69578 represent human biallelic markers from the present
XX invention, which contain a polymorphic base at position 24 of their
XX nucleotide sequences. AAZ69579 to AAZ77440 represent amplification
XX primers for the biallelic markers. The biallelic markers of the invention
XX have a variety of uses: they can be used for high density mapping of the
XX human genome, and in complex association studies and haplotyping studies
XX which are useful in determining the genetic basis for disease states.
XX Compositions and methods of the invention can also be useful for the
XX identification of the targets for the development of pharmaceutical
XX agents and diagnostic methods, as well as the characterisation of the
XX differential efficacious responses to and side effects from
XX pharmaceutical agents acting on a disease as well as other treatment.
XX N.B. The SEQ ID NOS 2852, 2913, 2974, 3035, 3096, 3157, 3227, 3297 and
XX 3367, are not actually given a sequence in the Sequence Listing from the
XX present invention
XX
XX Sequence 19 BP; 2 A; 3 C; 4 G; 10 T; 0 U; 0 Other;
XX
XX Query Match 10.6%; Score 13.8; DB 1; Length 19;
XX Best Local Similarity 88.2%; Pred. No. 1.4e+02;
XX Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
XX
XX QY 1354 GAAAAAATATTCCACGCA 1370
XX ||||| |||||
XX Db 19 GAAAAAATAGTACACGCA 3
XX
XX RESULT 29
XX AAH60603
XX ID AAH60603 standard; DNA; 19 BP.
XX
XX AC AAH60603;
XX
XX DT 10-SEP-2001 (first entry)
XX
XX DE Cyclin A1 ribozyme binding site SEQ ID NO:3027.
XX
XX KW Human; ribozyme therapy; hairpin ribozyme; hammerhead ribozyme;
XX recognition site; target; ribozyme binding site; eye disease; vulnery;
XX proliferative disease; skin disease; psoriasis; diabetic retinopathy;
XX cytokine; inflammation; cell-cycle dependent kinase; cyclin; MMP;
XX matrix metalloproteinase; growth factor; reductase; scarring; cytostatic;
XX antipsoriatic; dermatological; antiseborrheic; antidiabetic; virucide;
XX antiskinning; ophthalmological; keratolytic; gene therapy; viral wart;
XX atopic dermatitis; actinic keratosis; squamous cell carcinoma;
XX basal cell carcinoma; seborrheic wart; vitreoretinopathy; scar;
XX sickle cell retinopathy; ss.
XX
XX Homo sapiens.
XX Synthetic.
XX
XX OS
XX OS
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PN WO200130362-A2.
XX
XX 03-MAY-2001.
XX
XX 26-OCT-2000; 2000WO-US029500.
XX
XX 26-OCT-1999; 99US-0161532P.
XX
XX (IMMU-) IMMUSOL INC.
XX
XX Robbins JM, Tritz R;
XX WPI; 2001-300427/31.
XX
XX Treating proliferative skin or eye diseases and scarring, using ribozymes
XX that cleave RNA encoding cytokines involved in inflammation, matrix
XX metalloproteinases, growth factors and cell-cycle dependent kinases.
XX
XX Example 1; Page 292; 408pp; English.
XX
XX The present invention describes a method for treating a proliferative
XX skin or eye disease and scarring. The method involves administering a
XX ribozyme (I) which cleaves RNA encoding a cytokine involved in
XX inflammation, matrix metalloproteinase (MMP), cyclin, cell-cycle
XX dependent kinase, growth factor or a reductase, or administering a
XX nucleic acid molecule (II) comprising a promoter operably linked to a
XX nucleic acid segment encoding (I). (I) can have antipsoriatic,
XX dermatological, cytostatic, antiseborrheic, antidiabetic, antiskinning,
XX ophthalmological, vulnery, keratolytic and virucide activities, and
XX cleaves RNA encoding cytokine involved in inflammation. (I) can be used
XX in gene therapy. (I) and (II) are useful for treating proliferative skin
XX diseases such as psoriasis, atopic dermatitis, actinic keratosis,
XX squamous or basal cell carcinoma and viral or seborrheic wart. They can
XX also be used for treating proliferative eye diseases such as diabetic
XX retinopathy, vitreoretinopathy, sickle cell retinopathy, retinopathy of
XX prematurity and retinal detachment, and for treating and preventing
XX scarring such as keloid, adhesion and hypertrophic or hypertrophic burn
XX scar. AAH57577 to AAH62099 represent sequences used in the
XX exemplification of the present invention
XX
XX Sequence 19 BP; 6 A; 3 C; 4 G; 6 T; 0 U; 0 Other;
XX
XX Query Match 10.6%; Score 13.8; DB 1; Length 19;
XX Best Local Similarity 88.2%; Pred. No. 1.4e+02;
XX Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
XX
XX QY 1436 GACATATACATGGAAGA 1452
XX ||||| ||||| ||||| ||
XX Db 3 GACATCTACATGGATGA 19
XX
XX RESULT 30
XX AAV93431
XX ID AAV93431 standard; RNA; 17 BP.
XX
XX AC AAV93431;
XX
XX DT 18-FEB-1999 (first entry)
XX
XX DE Human B-raf substrate nucleotide position 906.
XX
XX KW Human; c-raf; A-raf; B-raf; hammerhead ribozyme; hairpin ribozyme;
XX target; substrate; catalyst; modulation; expression; Raf gene; delivery;
XX screening; identification; synthesis; deprotection; purification; cancer;
XX inflammation; psoriasis; non-hepatic ascites; infection; genetic drift;
XX restenosis; rheumatoid arthritis; ss.
XX
XX OS Homo sapiens.
XX
XX PN WO9850530-A2.
XX
XX PD 12-NOV-1998.
XX
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PF 05-MAY-1998; 98WO-US009249.
XX
PR 09-MAY-1997; 97US-0046059P.
PR 09-JUN-1997; 97US-0049002P.
PR 03-JUL-1997; 97US-0051718P.
PR 22-AUG-1997; 97US-0056808P.
PR 02-OCT-1997; 97US-0061321P.
PR 02-OCT-1997; 97US-0061324P.
PR 05-NOV-1997; 97US-0064866P.
PR 19-DEC-1997; 97US-0068212P.
XX
PA (RIBO-) RIBOZYME PHARM INC.
XX
PI Jarvis T, Matulic-Adamic J, Reynolds M, Kisich K, Bellon L;
PI Parry T, Beigelman L, Mcswiggen JA, Karpeisky A, Burgin A;
PI Thompson J, Workman CT, Beaudry A, Sweedler D;
XX
XX WPI; 1999-009494/01.
XX
XX Identifying new catalytic nucleic acid that modulates selected processes
PT - especially ribozymes that cleave Raf RNA for treating cancer,
PT restenosis, and also new ribozymes and modified nucleoside triphosphates
PT used as antiviral agents and synthons.
XX
PS Claim 177; Page 167; 259pp; English.
XX
CC A method has been developed for the identification of a nucleic acid
CC capable of modulating a process in a biological system. The method
CC comprises: (a) introducing into the system a random library of nucleic
CC acid catalysts (NAC) having a substrate binding domain (SBD), comprising
CC a random sequence, and a catalytic domain (CD); and (b) identifying NAC
CC in systems where modulation has occurred and/or determining the sequence
CC of at least part of the SBDs in such systems. Nucleic acid molecules with
CC endonuclease activity and catalytic activity, from the present invention,
CC are used to modulate gene expression in plant and mammalian cells and to
CC cleave target nucleic acid, particularly for treating systemic diseases
CC caused by specific RNA, e.g. cancer, inflammation, psoriasis, non-hepatic
CC ascites and infection. They may also be used to detect genetic drift and
CC mutations in diseased cells and to determine c-raf RNA. Specifically NACs
CC with RNA-cleaving activity that modulate expression of the Raf gene, are
CC generally any condition associated with the level of c-raf. Introduction
CC of sugar/phosphate modifications increases stability against nuclease and
CC activity. AAV90922 to AAV93877 represent NACs that can be used in the
CC method, specifically for modulating the expression of a Raf gene
XX
SQ Sequence 17 BP; 6 A; 3 C; 2 G; 0 T; 6 U; 0 Other;
Query Match 10.3%; Score 13.4; DB 1; Length 17;
Best Local Similarity 60.0%; Pred. No. 1.4e+02;
Matches 9; Conservative 5; Mismatches 1; Indels 0; Gaps 0;
QY 1408 TGTTAATGATGACCA 1422
Db 1 UGUUAAUUUGACCA 15
RESULT 31
AAV93430
ID AAV93430 standard; RNA; 17 BP.
XX
AC AAV93430;
XX
DT 18-FEB-1999 (first entry)
XX
DE Human B-raf substrate nucleotide position 905.
XX
KW Human; c-raf; A-raf; B-raf; hammerhead ribozyme; hairpin ribozyme;
KW target; substrate; catalyst; modulation; expression; Raf gene; delivery;
KW screening; identification; synthesis; deprotection; purification; cancer;
KW inflammation; psoriasis; non-hepatic ascites; infection; genetic drift;
KW restenosis; rheumatoid arthritis; ss.
XX
```

```
OS Homo sapiens.
XX
PN WO9850530-A2.
XX
PD 12-NOV-1998.
XX
PF 05-MAY-1998; 98WO-US009249.
XX
PR 09-MAY-1997; 97US-0046059P.
PR 09-JUN-1997; 97US-0049002P.
PR 03-JUL-1997; 97US-0051718P.
PR 22-AUG-1997; 97US-0056808P.
PR 02-OCT-1997; 97US-0061321P.
PR 02-OCT-1997; 97US-0061324P.
PR 05-NOV-1997; 97US-0064866P.
PR 19-DEC-1997; 97US-0068212P.
XX
PA (RIBO-) RIBOZYME PHARM INC.
XX
PI Jarvis T, Matulic-Adamic J, Reynolds M, Kisich K, Bellon L;
PI Parry T, Beigelman L, Mcswiggen JA, Karpeisky A, Burgin A;
PI Thompson J, Workman CT, Beaudry A, Sweedler D;
XX
XX WPI; 1999-009494/01.
XX
XX Identifying new catalytic nucleic acid that modulates selected processes
PT - especially ribozymes that cleave Raf RNA for treating cancer,
PT restenosis, and also new ribozymes and modified nucleoside triphosphates
PT used as antiviral agents and synthons.
XX
PS Claim 177; Page 167; 259pp; English.
XX
CC A method has been developed for the identification of a nucleic acid
CC capable of modulating a process in a biological system. The method
CC comprises: (a) introducing into the system a random library of nucleic
CC acid catalysts (NAC) having a substrate binding domain (SBD), comprising
CC a random sequence, and a catalytic domain (CD); and (b) identifying NAC
CC in systems where modulation has occurred and/or determining the sequence
CC of at least part of the SBDs in such systems. Nucleic acid molecules with
CC endonuclease activity and catalytic activity, from the present invention,
CC are used to modulate gene expression in plant and mammalian cells and to
CC cleave target nucleic acid, particularly for treating systemic diseases
CC caused by specific RNA, e.g. cancer, inflammation, psoriasis, non-hepatic
CC ascites and infection. They may also be used to detect genetic drift and
CC mutations in diseased cells and to determine c-raf RNA. Specifically NACs
CC with RNA-cleaving activity that modulate expression of the Raf gene, are
CC used to treat cancer, restenosis, psoriasis or rheumatoid arthritis. Or
CC generally any condition associated with the level of c-raf. Introduction
CC of sugar/phosphate modifications increases stability against nuclease and
CC activity. AAV90922 to AAV93877 represent NACs that can be used in the
CC method, specifically for modulating the expression of a Raf gene
XX
SQ Sequence 17 BP; 6 A; 2 C; 3 G; 0 T; 6 U; 0 Other;
Query Match 10.3%; Score 13.4; DB 1; Length 17;
Best Local Similarity 60.0%; Pred. No. 1.4e+02;
Matches 9; Conservative 5; Mismatches 1; Indels 0; Gaps 0;
QY 1408 TGTTAATGATGACCA 1422
Db 2 UGUUAAUUUGACCA 16
RESULT 32
ABK17907
ID ABK17907 standard; RNA; 17 BP.
XX
AC ABK17907;
XX
DT 09-APR-2002 (first entry)
XX
DE Human ERG hammerhead ribozyme target sequence, Seq ID No 554.
XX
```

KW Human; hammerhead ribozyme; cytostatic; antitumour; antidiabetic;
KW ophthalmological; antiarthritic; antipsoriatic; virucide; osteopathic;
KW vulnary; cancer; lymphoma; Ewing's sarcoma; melanoma; psoriasis;
KW tumour angiogenesis; diabetic retinopathy; macular degeneration;
KW neovascular glaucoma; myopic degeneration; arthritis; verruca vulgaris;
KW angiofibroma of tuberous sclerosis; port-wine stain; wound healing;
KW Sturge Weber syndrome; Kippel-Trenaunay-Weber syndrome; leukaemia; ss;
KW Osler-Weber-rendu syndrome, leukaemia; osteoporosis; DNAzyme; inozyme;
KW amberzyme.
XX
OS Homo sapiens.
XX
PN WO200188124-A2.
XX
PD 22-NOV-2001.
XX
PF 16-MAY-2001; 2001WO-US015866.
XX
PR 16-MAY-2000; 2000US-00572021.
XX
PA (RIBO-) RIBOZYME PHARM INC.
PA (GLAX) GLAXO GROUP LTD.
XX
PI Jarvis T, Von Carlowitz I, Mcswiggen JA, McLaughlin F, Randi AM;
XX WPI; 2002-082995/11.
DR
XX
XX Novel polynucleotide which down regulates expression of Ets-related gene,
PT useful for treating cancer, diabetic retinopathy, macular degeneration,
PT arthritis, psoriasis, verruca vulgaris and Sturge Weber syndrome.
XX
XX Claim 4; Page 69; 149pp; English.
PS
XX The invention relates to a nucleic acid molecule (I) which down regulates
CC expression of an Ets-related gene (ERG). (I) is useful for treating
CC conditions selected from cancer, lymphoma, Ewing's sarcoma, melanoma,
CC tumour angiogenesis, diabetic retinopathy, macular degeneration,
CC neovascular glaucoma, myopic degeneration, arthritis, psoriasis, verruca
CC vulgaris, angiofibroma of tuberous sclerosis, port-wine stains, Sturge
CC Weber syndrome, Kippel-Trenaunay-Weber syndrome, Osler-Weber-rendu
CC syndrome, leukaemia, osteoporosis and wound healing. (I) is useful for
CC treating a patient having a condition associated with the level of ERG,
CC by contacting cells of the patient with (I) under conditions suitable for
CC the treatment. The method comprises the use of one or more therapies
CC under conditions suitable for the treatment. Leukaemia or tumour
CC angiogenesis is treated by administering (I) to the patient in
CC conjunction with one or more of other therapies such as radiation or
CC chemotherapy treatment. (I) is useful for reducing ERG activity in a
CC cell, by contacting the cell with (I). (I) is useful for cleaving RNA of
CC ERG gene, by contacting (I) with RNA, in the presence of a divalent
CC cation such as Mg2+. (I) is useful for diagnosis of conditions and
CC diseases related to the expression of ERG, and as diagnostic tool to
CC examine genetic drift and mutations within diseased cells or to detect
CC the presence of ERG RNA in a cell. (I) is useful for specifically
CC targeting genes that share homology with ERG gene or ERG fusion genes.
CC ABK17354-ABK22719 represent nucleic acids, including antisense and
CC enzymatic nucleic acid molecules which regulate expression of ERG, and
CC related PCR primers of the invention
XX
SQ Sequence 17 BP; 3 A; 3 C; 7 G; 0 T; 4 U; 0 Other;
Query Match 10.3%; Score 13.4; DB 1; Length 17;
Best Local Similarity 66.7%; Pred. No. 1.4e+02;
Matches 10; Conservative 4; Mismatches 1; Indels 0; Gaps 0;
QY 1414 TGATGACCAGTCGTT 1428
DB :|||:||||:|:|:
2 UGAGGACCAGUCGUU 16
RESULT 33
ABZ34115
ID ABZ34115 standard; DNA; 17 BP.

XX ABZ34115;
AC 31-JAN-2003 (first entry)
DT
XX HIV-1 reverse transcriptase mutation detection probe SEQ ID NO:357.
DE
XX Human immunodeficiency virus; HIV; reverse transcriptase; RT; enzyme;
KW detection; mutation; anti-HIV drug resistance; polymorphism; resistance;
KW probe; ss.
XX
OS Human immunodeficiency virus 1.
OS Synthetic.
XX
PN WO200255741-A2.
XX
PD 18-JUL-2002.
XX
PF 09-JAN-2002; 2002WO-EP000153.
XX
PR 11-JAN-2001; 2001EP-00870005.
PR 20-APR-2001; 2001EP-00870085.
PR 24-APR-2001; 2001US-0286102P.
XX
PA (INNO-) INNOGENETICS NV.
XX
PI De Smet K, Stuyver L;
XX WPI; 2002-590680/63.
DR
XX Detecting mutations associated with anti-HIV drug resistance comprises
PT detecting at least one of the mutations in the HIV reverse transcriptase
PT gene by using probes optimized to function together in a reverse-
PT hybridization assay.
XX
XX Claim 2; Page 25; 117pp; English.
CC The present invention describes a method for detecting mutations
CC associated with anti-HIV drug resistance in a patient by detecting at
CC least one of the mutations K103N/R, V106A/I/L, Y181C/I, M184V/I, Y188L,
CC G190A/S/R, T215Y/F/D/S/A and/or Q151M/L in the reverse transcriptase (RT)
CC of HIV strains in a biological sample using a specific set of probes
CC optimised to function together in a reverse-hybridisation assay. The
CC method and the nucleic acid sequences used in the method are useful for
CC determining viral mutations and/or polymorphisms in the HIV RT gene
CC associated with resistance. The probes are useful for the genetic
CC detection, preferably in vitro detection of the mutations K103N/R,
CC V106A/I/L, Y181C/I, Q151M/L, M184V/I, Y188L, G190A/S/R and/or
CC T215Y/F/D/S/A in the RT of HIV strains in a biological sample, where the
CC mutation is associated with anti-HIV drug resistance. The method provides
CC a rapid, reliable and precise assay or determination and monitoring of
CC antiviral drug resistance or mutations associated with drug resistance of
CC viruses containing RT genes. ABZ33759 to ABZ34642 represent HIV RT
CC sequences and probes which are used in the exemplification of the present
CC invention
XX
SQ Sequence 17 BP; 6 A; 3 C; 5 G; 3 T; 0 U; 0 Other;
Query Match 10.3%; Score 13.4; DB 1; Length 17;
Best Local Similarity 93.3%; Pred. No. 1.4e+02;
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1441 ATACATGGGAAGATGG 1455
DB |||||:|||||:
3 ATACATGGACGATGG 17
RESULT 34
ABZ34117
ID ABZ34117 standard; DNA; 17 BP.
XX
AC ABZ34117;
XX

DT 31-JAN-2003 (first entry)
XX HIV-1 reverse transcriptase mutation detection probe SEQ ID NO:359.
DE
XX Human immunodeficiency virus; HIV; reverse transcriptase; RT; enzyme;
KW detection; mutation; anti-HIV drug resistance; polymorphism; resistance;
KW probe; ss.
XX
OS Human immunodeficiency virus 1.
OS Synthetic.
XX
PN WO200255741-A2.
XX
PD 18-JUL-2002.
XX
PF 09-JAN-2002; 2002WO-EP000153.
XX
PR 11-JAN-2001; 2001EP-00870005.
PR 20-APR-2001; 2001EP-00870085.
PR 24-APR-2001; 2001US-0286102P.
XX
PA (INNO-) INNOGENETICS NV.
XX
PI De Smet K, Stuyver L;
XX
DR WPI; 2002-590680/63.
XX
PT Detecting mutations associated with anti-HIV drug resistance comprises
PT detecting at least one of the mutations in the HIV reverse transcriptase
PT gene by using probes optimized to function together in a reverse-
PT hybridization assay.
XX
PS Claim 2; Page 25; 117pp; English.
XX
CC The present invention describes a method for detecting mutations
CC associated with anti-HIV drug resistance in a patient by detecting at
CC least one of the mutations K103N/R, V106A/I/L, Y181C/I, M184V/I, Y188L,
CC G190A/S/R, T215Y/F/D/S/A and/or Q151M/L in the reverse transcriptase (RT)
CC of HIV strains in a biological sample using a specific set of probes
CC optimised to function together in a reverse-hybridisation assay. The
CC method and the nucleic acid sequences used in the method are useful for
CC determining viral mutations and/or polymorphisms in the HIV RT gene
CC associated with resistance. The probes are useful for the genetic
CC detection, preferably in vitro detection of the mutations K103N/R,
CC V106A/I/L, Y181C/I, Q151M/L, M184V/I, Y188L, G190A/S/R and/or
CC T215Y/F/D/S/A in the RT of HIV strains in a biological sample, where the
CC mutation is associated with anti-HIV drug resistance. The method provides
CC a rapid, reliable and precise assay or determination and monitoring of
CC antiviral drug resistance or mutations associated with drug resistance of
CC viruses containing RT genes. ABZ33759 to ABZ34642 represent HIV RT
CC sequences and probes which are used in the exemplification of the present
CC invention
XX
SQ Sequence 17 BP; 6 A; 2 C; 5 G; 4 T; 0 U; 0 Other;

Query Match 10.3%; Score 13.4; DB 1; Length 17;
Best Local Similarity 93.3%; Pred. No. 1.4e+02;
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1441 ATACATGGAGATGG 1455
Db ||||| |||||
3 ATACATGGATGATGG 17

RESULT 35
AAD56453/c
ID AAD56453 standard; DNA; 17 BP.
XX
AC AAD56453;
XX
DT 07-AUG-2003 (first entry)
XX
DE 2'-ANA antisense oligo #8, to elicit RNase H degradation of target RNA.

XX
KW Acyclic linker; gene expression; gene therapy; ribonuclease; RNase H;
KW antisense; ss.
XX
OS Unidentified.
XX
FH Key Location/Qualifiers
FT 1. .2
FT /*tag= a
FT /mod_base= OTHER
FT /note= "2'-deoxy-2'-fluoroarabinothymidine"
FT 3
FT /*tag= b
FT /mod_base= OTHER
FT /note= "2'-deoxy-2'-fluoroarabinoadenosine"
FT 4
FT /*tag= c
FT /mod_base= OTHER
FT /note= "2'-deoxy-2'-fluoroarabinothymidine"
FT 5
FT /*tag= d
FT /mod_base= OTHER
FT /note= "2'-deoxy-2'-fluoroarabinoadenosine"
FT 6. .9
FT /*tag= e
FT /mod_base= OTHER
FT /note= "2'-deoxy-2'-fluoroarabinothymidine"
FT 9. .10
FT /*tag= f
FT /note= "Bases 9 and 10 are linked by butanediol linker
FT which is represented as B in page 49 and X in page 54 and
FT 64 of the specification"
FT 10
FT /*tag= g
FT /mod_base= OTHER
FT /note= "2'-deoxy-2'-fluoroarabinothymidine"
FT 11
FT /*tag= h
FT /mod_base= OTHER
FT /note= "2'-deoxy-2'-fluoroarabinoctidine"
FT 12. .14
FT /*tag= i
FT /mod_base= OTHER
FT /note= "2'-deoxy-2'-fluoroarabinothymidine"
FT 15. .17
FT /*tag= j
FT /mod_base= OTHER
FT /note= "2'-deoxy-2'-fluoroarabinoctidine"
XX
PN WO2003037909-A1.
XX
PD 08-MAY-2003.
XX
PF 29-OCT-2002; 2002WO-CA001628.
XX
PR 29-OCT-2001; 2001US-0330719P.
XX
PA (UYMC-) UNIV MCGILL.
XX
PI Damha MJ, Viazovkina E, Mangos MM, Parniak MA, Min K;
XX
DR WPI; 2003-421516/39.
XX
PT Novel acyclic linker-containing oligonucleotide useful for preventing or
PT decreasing translation, reverse transcription and/or replication of a
PT target RNA in a system, comprises a modified deoxyribonucleotide.
XX
PS Example 2; Page 49; 104pp; English.
XX
CC The invention relates to an acyclic linker-containing oligonucleotide
CC comprising at least one modified deoxyribonucleotide. Oligonucleotides of
CC the invention are useful for preventing or decreasing translation,
CC reverse transcription and/or replication of a target RNA in a system.

CC They are useful for selectively preventing gene expression in a sequence-
CC specific manner, for hybridising to complementary RNA such as cellular
CC mRNA or viral RNA, to hybridise to and induce cleavage of complementary
CC RNA. They are also useful therapeutically in formulations or medicaments
CC to prevent or treat a disease characterised by the expression of a
CC particular target RNA. The invention is used in gene therapy. The present
CC sequence is an antisense oligo used to elicit human RNase (ribonuclease)
CC H degradation of target RNA. This sequence is used in the exemplification
CC of the invention
XX

SQ Sequence 17 BP; 2 A; 4 C; 0 G; 11 T; 0 U; 0 Other;

Query Match 10.3%; Score 13.4; DB 1; Length 17;
Best Local Similarity 93.3%; Pred. No. 1.4e+02;
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1348 GGGGAAGAAAAATAT 1362
||| |||||
Db 17 GGGAAAGAAAAATAT 3

RESULT 36
AAD56443/c
ID AAD56443 standard; DNA; 17 BP.

XX AAD56443;

DT 07-AUG-2003 (first entry)

XX CAT antisense oligo #2, to elicit RNase H degradation of target RNA.

DE Acyclic linker; gene expression; gene therapy; ribonuclease; RNase H;
XX antisense; ss.

XX Unidentified.

XX Key Location/Qualifiers

FT misc_feature 9..10

FT /*tag= a

FT /note= "Bases 9 and 10 are linked by a butanediol linker
FT which is represented as B in page 49 and X in page 60,
FT Fig 3 and 4 of the specification"

XX WO2003037909-A1.

XX 08-MAY-2003.

XX 29-OCT-2002; 2002WO-CA001628.

XX 29-OCT-2001; 2001US-0330719P.

XX (UYMC-) UNIV MCGILL.

XX Damha MJ, Viazovkina E, Mangos MM, Parniak MA, Min K;

XX WPI; 2003-421516/39.

XX Novel acyclic linker-containing oligonucleotide useful for preventing or
PT decreasing translation, reverse transcription and/or replication of a
PT target RNA in a system, comprises a modified deoxyribonucleotide.

XX Example 2; Fig 3; 104pp; English.

XX The invention relates to an acyclic linker-containing oligonucleotide
CC comprising at least one modified deoxyribonucleotide. Oligonucleotides of
CC the invention are useful for preventing or decreasing translation,
CC reverse transcription and/or replication of a target RNA in a system.

CC They are useful for selectively preventing gene expression in a sequence-
CC specific manner, for hybridising to complementary RNA such as cellular
CC mRNA or viral RNA, to hybridise to and induce cleavage of complementary
CC RNA. They are also useful therapeutically in formulations or medicaments
CC to prevent or treat a disease characterised by the expression of a
CC particular target RNA. The invention is used in gene therapy. The present

CC sequence is an antisense oligo used to elicit human RNase (ribonuclease)
CC H degradation of target RNA. This sequence is used in the exemplification
CC of the invention

SQ Sequence 17 BP; 2 A; 4 C; 0 G; 11 T; 0 U; 0 Other;

Query Match 10.3%; Score 13.4; DB 1; Length 17;

Best Local Similarity 93.3%; Pred. No. 1.4e+02;

Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1348 GGGGAAGAAAAATAT 1362

||| |||||

Db 17 GGGAAAGAAAAATAT 3

RESULT 37

ABZ34116

ID ABZ34116 standard; DNA; 18 BP.

XX AC ABZ34116;

XX 31-JAN-2003 (first entry)

DE HIV-1 reverse transcriptase mutation detection probe SEQ ID NO:358.

XX Human immunodeficiency virus; HIV; reverse transcriptase; RT; enzyme;
KW detection; mutation; anti-HIV drug resistance; polymorphism; resistance;
KW probe; ss.

XX Human immunodeficiency virus 1.

OS Synthetic.

XX WO200255741-A2.

XX 18-JUL-2002.

XX 09-JAN-2002; 2002WO-EP000153.

XX 11-JAN-2001; 2001EP-00870005.

XX 20-APR-2001; 2001EP-00870085.

XX 24-APR-2001; 2001US-0286102P.

XX (INNO-) INNOGENETICS NV.

XX De Smet K, Stuyver L;

XX WPI; 2002-590680/63.

XX Detecting mutations associated with anti-HIV drug resistance comprises
PT detecting at least one of the mutations in the HIV reverse transcriptase
PT gene by using probes optimized to function together in a reverse-
PT hybridization assay.

XX Claim 2; Page 25; 117pp; English.

XX The present invention describes a method for detecting mutations
CC associated with anti-HIV drug resistance in a patient by detecting at
CC least one of the mutations K103N/R, V106A/I/L, Y181C/I, M184V/I, Y188L,
CC G190A/S/R, T215Y/F/D/S/A and/or Q151M/L in the reverse transcriptase (RT)
CC of HIV strains in a biological sample using a specific set of probes
CC optimised to function together in a reverse-hybridisation assay. The
CC method and the nucleic acid sequences used in the method are useful for
CC determining viral mutations and/or polymorphisms in the HIV RT gene
CC associated with resistance. The probes are useful for the genetic
CC detection, preferably in vitro detection of the mutations K103N/R,
CC V106A/I/L, Y181C/I, Q151M/L, M184V/I, Y188L, G190A/S/R and/or
CC T215Y/F/D/S/A in the RT of HIV strains in a biological sample, where the
CC mutation is associated with anti-HIV drug resistance. The method provides
CC a rapid, reliable and precise assay or determination and monitoring of
CC antiviral drug resistance or mutations associated with drug resistance of
CC viruses containing RT genes. ABZ33759 to ABZ34642 represent HIV RT
CC sequences and probes which are used in the exemplification of the present
CC invention

XX SQ Sequence 18 BP; 6 A; 3 C; 5 G; 4 T; 0 U; 0 Other;

Query Match 10.3%; Score 13.4; DB 1; Length 18;
Best Local Similarity 93.3%; Pred. No. 1.5e+02;
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1441 ATACATGGAGATGG 1455
|||||
Db 4 ATACATGGACGATGG 18

RESULT 38
AAT80036/c
ID AAT80036 standard; cDNA; 18 BP.
XX
AC AAT80036;
XX
DT 29-OCT-1997 (first entry)
XX
DE Alpha2 integrin primer #1.
XX
KW PCR; polymerase chain reaction; primer; amplify; alpha1 integrin;
KW alpha2 integrin; glomerulopathy; diabetes; nephropathy; ss.
XX
OS Synthetic.
XX
PN WO9704133-A1.
XX
PD 06-FEB-1997.
XX
PF 19-JUL-1996; 96WO-US012067.
XX
PR 21-JUL-1995; 95US-0001387P.
PR 03-AUG-1995; 95US-0001861P.
PR 02-MAY-1996; 96US-0016700P.
XX
PA (MINU) UNIV MINNESOTA.
XX
PI Tsilibary P, Charonis AS, Setty S, Maurer M;
XX
WPI; 1997-132668/12.
DR
XX
PT Detection of nephropathy in mammals - by comparing integrin subunit
PT expression in a tissue sample compared to a control tissue sample.
XX
PS Example 6; Page 35; 73pp; English.
XX
CC AAT80036-T80041 represent amplification primers for the alpha2 integrin
CC coding sequence. The primers represented in AAT80030-T80035 are used for
CC the amplification of the alpha1 integrin coding sequence. These sequences
CC can be used in the method of the invention. The method of the invention
CC is for the identification of a mammal having, or at risk of developing,
CC glomerulopathy. The method comprises analysing a tissue sample from a
CC mammal known to contain cells expressing integrin RNA or protein for
CC integrin subunit expression. The integrin subunit expression in the
CC sample is then compared with a control tissue sample, where altered
CC integrin subunit expression is correlated with glomerulopathy. The method
CC can be modified to identify a mammal with diabetes who has, or is at risk
CC of developing, secondary pathological changes associated with diabetes.
CC An increase in alpha2,3,5 or beta-1 integrin expression and/or a decrease
CC in alpha1 expression is diagnostic of increased risk of nephropathy. The
CC methods can be used to determine if patients are likely to develop severe
CC nephropathy and to monitor progress of disease during treatment protocols
XX
SQ Sequence 18 BP; 3 A; 4 C; 4 G; 7 T; 0 U; 0 Other;

Query Match 10.2%; Score 13.2; DB 1; Length 18;
Best Local Similarity 83.3%; Pred. No. 1.7e+02;
Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1434 CAGACATATACATGGAAG 1451
|||||

Db 18 CAGACATCAACATGGATG 1

RESULT 39
AAZ17884
ID AAZ17884 standard; DNA; 18 BP.
XX
AC AAZ17884;
XX
DT 11-OCT-1999 (first entry)
XX
DE RT-PCR primer specific for homeobox gene groups.
XX
KW Genetic proximity; gene expression; cell characterisation; homeobox gene;
KW genetic defect; reverse transcriptase polymerase chain reaction; RT-PCR;
KW kinase gene; protein phosphatase; P450; steroid receptor; cadherin;
KW primer; ss.
XX
OS Synthetic.
OS Homo sapiens.
XX
PN WO9934016-A2.
XX
PD 08-JUL-1999.
XX
PF 28-DEC-1998; 98WO-IL0000625.
XX
PR 29-DEC-1997; 97IL-00122793.
PR 16-OCT-1998; 98IL-00126627.
XX
PA (GENE-) GENENA LTD.
XX
PI Vider B;
XX
DR WPI; 1999-419113/35.
XX
PT Identifying and characterizing cells by comparing the pattern of gene
PT expression in a selected gene family.
XX
PS Claim 4; Page 30; 102pp; English.
XX
CC The invention provides a new method for identifying and characterising
CC cells. The method for determining the genetic proximity of a first cell
CC and a second cell comprises: (a) obtaining the first cell and the second
CC cell; (b) determining in the first cell and the second cell the pattern
CC of expression of genes in a selected gene family; and (c) calculating a
CC proximity index using a specified formula. The methods can be used for
CC characterising cells, e.g. for determining the origin of a cell, its
CC genetic status, whether it carries a genetic defect, or whether it is
CC transformed. They can be used for detecting a selected genetic defect in
CC an individual, e.g. a fetus. They can also be used for determining the
CC effect of a selected treatment on a test cell. They can also be used for
CC obtaining cells capable of expressing an homeobox related desired
CC property. The method uses reverse transcriptase polymerase chain reaction
CC (RT-PCR) for determining the pattern of gene expression in a selected
CC gene family. Sequences AAZ17803-218342 represent primers that can be used
CC in the RT-PCR reactions to determine the pattern of gene expression. The
CC gene family can be selected from a set of homeobox genes, kinase genes,
CC protein phosphatase genes, P450 enzyme genes, steroid receptor
CC superfamily genes or cadherin superfamily genes
XX
SQ Sequence 18 BP; 5 A; 4 C; 3 G; 6 T; 0 U; 0 Other;

Query Match 10.2%; Score 13.2; DB 1; Length 18;
Best Local Similarity 83.3%; Pred. No. 1.7e+02;
Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1430 TATCCAGACATATACATG 1447
|||||
Db 1 TATCCGGACATATTCATG 18

RESULT 40

```
AAZ18050
ID AAZ18050 standard; DNA; 18 BP.
XX
AC AAZ18050;
XX
DT 11-OCT-1999 (first entry)
XX
DE CNX embryonic gene OTX b specific primer.
XX
KW Genetic proximity; gene expression; cell characterisation; homeobox gene;
KW genetic defect; reverse transcriptase polymerase chain reaction; RT-PCR;
KW kinase gene; protein phosphatase; P450; steroid receptor; cadherin;
KW primer; ss.
XX
OS Synthetic.
OS Homo sapiens.
XX
PN WO9934016-A2.
XX
PD 08-JUL-1999.
XX
PF 28-DEC-1998; 98WO-IL000625.
XX
PR 29-DEC-1997; 97IL-00122793.
PR 16-OCT-1998; 98IL-00126627.
XX
PA (GENE-) GENENA LTD.
XX
PI Vider B;
XX
DR WPI; 1999-419113/35.
XX
PT Identifying and characterizing cells by comparing the pattern of gene
PT expression in a selected gene family.
XX
PS Claim 4; Page 39; 102pp; English.
XX
CC The invention provides a new method for identifying and characterising
CC cells. The method for determining the genetic proximity of a first cell
CC and a second cell comprises: (a) obtaining the first cell and the second
CC cell; (b) determining in the first cell and the second cell the pattern
CC of expression of genes in a selected gene family; and (c) calculating a
CC proximity index using a specified formula. The methods can be used for
CC characterising cells, e.g. for determining the origin of a cell, its
CC genetic status, whether it carries a genetic defect, or whether it is
CC transformed. They can be used for detecting a selected genetic defect in
CC an individual, e.g. a fetus. They can also be used for determining the
CC effect of a selected treatment on a test cell. They can also be used for
CC obtaining cells capable of expressing an homeobox related desired
CC property. The method uses reverse transcriptase polymerase chain reaction
CC (RT-PCR) for determining the pattern of gene expression in a selected
CC gene family. Sequences AAZ17803-Z18342 represent primers that can be used
CC in the RT-PCR reactions to determine the pattern of gene expression. The
CC gene family can be selected from a set of homeobox genes, kinase genes,
CC protein phosphatase genes, P450 enzyme genes, steroid receptor
CC superfamily genes or cadherin superfamily genes
XX
SQ Sequence 18 BP; 5 A; 4 C; 3 G; 6 T; 0 U; 0 Other;
Query Match 10.2%; Score 13.2; DB 1; Length 18;
Best Local Similarity 83.3%; Pred. No. 1.7e+02;
Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1430 TATGCAGACATATACATG 1447
||| ||||| |||||
Db 1 TATCCGGACATATTCATG 18

RESULT 41
AAZ17882
ID AAZ17882 standard; DNA; 18 BP.
XX
AC AAZ17882;

AAZ18050
ID AAZ18050 standard; DNA; 18 BP.
XX
AC AAZ18050;
XX
DT 11-OCT-1999 (first entry)
XX
DE CNX embryonic gene OTX b specific primer.
XX
KW Genetic proximity; gene expression; cell characterisation; homeobox gene;
KW genetic defect; reverse transcriptase polymerase chain reaction; RT-PCR;
KW kinase gene; protein phosphatase; P450; steroid receptor; cadherin;
KW primer; ss.
XX
OS Synthetic.
OS Homo sapiens.
XX
PN WO9934016-A2.
XX
PD 08-JUL-1999.
XX
PF 28-DEC-1998; 98WO-IL000625.
XX
PR 29-DEC-1997; 97IL-00122793.
PR 16-OCT-1998; 98IL-00126627.
XX
PA (GENE-) GENENA LTD.
XX
PI Vider B;
XX
DR WPI; 1999-419113/35.
XX
PT Identifying and characterizing cells by comparing the pattern of gene
PT expression in a selected gene family.
XX
PS Claim 4; Page 39; 102pp; English.
XX
CC The invention provides a new method for identifying and characterising
CC cells. The method for determining the genetic proximity of a first cell
CC and a second cell comprises: (a) obtaining the first cell and the second
CC cell; (b) determining in the first cell and the second cell the pattern
CC of expression of genes in a selected gene family; and (c) calculating a
CC proximity index using a specified formula. The methods can be used for
CC characterising cells, e.g. for determining the origin of a cell, its
CC genetic status, whether it carries a genetic defect, or whether it is
CC transformed. They can be used for detecting a selected genetic defect in
CC an individual, e.g. a fetus. They can also be used for determining the
CC effect of a selected treatment on a test cell. They can also be used for
CC obtaining cells capable of expressing an homeobox related desired
CC property. The method uses reverse transcriptase polymerase chain reaction
CC (RT-PCR) for determining the pattern of gene expression in a selected
CC gene family. Sequences AAZ17803-Z18342 represent primers that can be used
CC in the RT-PCR reactions to determine the pattern of gene expression. The
CC gene family can be selected from a set of homeobox genes, kinase genes,
CC protein phosphatase genes, P450 enzyme genes, steroid receptor
CC superfamily genes or cadherin superfamily genes
XX
SQ Sequence 18 BP; 5 A; 4 C; 3 G; 6 T; 0 U; 0 Other;
Query Match 10.2%; Score 13.2; DB 1; Length 18;
Best Local Similarity 83.3%; Pred. No. 1.7e+02;
Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1430 TATGCAGACATATACATG 1447
||| ||||| |||||
Db 1 TATCCGGACATATTCATG 18

RESULT 41
AAZ17882
ID AAZ17882 standard; DNA; 18 BP.
XX
AC AAZ17882;

AAZ18050
ID AAZ18050 standard; DNA; 18 BP.
XX
AC AAZ18050;
XX
DT 11-OCT-1999 (first entry)
XX
DE CNX embryonic gene OTX a specific primer.
XX
KW Genetic proximity; gene expression; cell characterisation; homeobox gene;
KW genetic defect; reverse transcriptase polymerase chain reaction; RT-PCR;
KW kinase gene; protein phosphatase; P450; steroid receptor; cadherin;
KW primer; ss.
XX
OS Synthetic.
OS Homo sapiens.
XX
PN WO9934016-A2.
XX
PD 08-JUL-1999.
XX
PF 28-DEC-1998; 98WO-IL000625.
XX
PR 29-DEC-1997; 97IL-00122793.
PR 16-OCT-1998; 98IL-00126627.
XX
PA (GENE-) GENENA LTD.
XX
PI Vider B;
XX
DR WPI; 1999-419113/35.
XX
PT Identifying and characterizing cells by comparing the pattern of gene
PT expression in a selected gene family.
XX
PS Claim 4; Page 29; 102pp; English.
XX
CC The invention provides a new method for identifying and characterising
CC cells. The method for determining the genetic proximity of a first cell
CC and a second cell comprises: (a) obtaining the first cell and the second
CC cell; (b) determining in the first cell and the second cell the pattern
CC of expression of genes in a selected gene family; and (c) calculating a
CC proximity index using a specified formula. The methods can be used for
CC characterising cells, e.g. for determining the origin of a cell, its
CC genetic status, whether it carries a genetic defect, or whether it is
CC transformed. They can be used for detecting a selected genetic defect in
CC an individual, e.g. a fetus. They can also be used for determining the
CC effect of a selected treatment on a test cell. They can also be used for
CC obtaining cells capable of expressing an homeobox related desired
CC property. The method uses reverse transcriptase polymerase chain reaction
CC (RT-PCR) for determining the pattern of gene expression in a selected
CC gene family. Sequences AAZ17803-Z18342 represent primers that can be used
CC in the RT-PCR reactions to determine the pattern of gene expression. The
CC gene family can be selected from a set of homeobox genes, kinase genes,
CC protein phosphatase genes, P450 enzyme genes, steroid receptor
CC superfamily genes or cadherin superfamily genes
XX
SQ Sequence 18 BP; 5 A; 4 C; 3 G; 6 T; 0 U; 0 Other;
Query Match 10.2%; Score 13.2; DB 1; Length 18;
Best Local Similarity 83.3%; Pred. No. 1.7e+02;
Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1430 TATGCAGACATATACATG 1447
||| ||||| |||||
Db 1 TATCCGGACATATTCATG 18

RESULT 42
AAZ18048
ID AAZ18048 standard; DNA; 18 BP.
XX
AC AAZ18048;
XX
DT 11-OCT-1999 (first entry)
XX
DE CNX embryonic gene OTX a specific primer.
```

XX Genetic proximity; gene expression; cell characterisation; homeobox gene;
KW genetic defect; reverse transcriptase polymerase chain reaction; RT-PCR;
KW kinase gene; protein phosphatase; P450; steroid receptor; cadherin;
KW primer; ss.
XX
OS Synthetic.
OS Homo sapiens.
XX
PN WO9934016-A2.
XX
PD 08-JUL-1999.
XX
PF 28-DEC-1998; 98WO-IL000625.
XX
PR 29-DEC-1997; 97IL-00122793.
PR 16-OCT-1998; 98IL-00126627.
XX
PA (GENE-) GENENA LTD.
XX
PI Vider B;
XX
DR WPI; 1999-419113/35.
XX
PT Identifying and characterizing cells by comparing the pattern of gene
PT expression in a selected gene family.
XX
PS Claim 4; Page 39; 102pp; English.
XX
CC The invention provides a new method for identifying and characterising
CC cells. The method for determining the genetic proximity of a first cell
CC and a second cell comprises: (a) obtaining the first cell and the second
CC cell; (b) determining in the first cell and the second cell the pattern
CC of expression of genes in a selected gene family; and (c) calculating a
CC proximity index using a specified formula. The methods can be used for
CC characterising cells, e.g. for determining the origin of a cell, its
CC genetic status, whether it carries a genetic defect, or whether it is
CC transformed. They can be used for detecting a selected genetic defect in
CC an individual, e.g. a fetus. They can also be used for determining the
CC effect of a selected treatment on a test cell. They can also be used for
CC obtaining cells capable of expressing an homeobox related desired
CC property. The method uses reverse transcriptase polymerase chain reaction
CC (RT-PCR) for determining the pattern of gene expression in a selected
CC gene family. Sequences AA217803-218342 represent primers that can be used
CC in the RT-PCR reactions to determine the pattern of gene expression. The
CC gene family can be selected from a set of homeobox genes, kinase genes,
CC protein phosphatase genes, P450 enzyme genes, steroid receptor
CC superfamily genes or cadherin superfamily genes
XX
SQ Sequence 18 BP; 5 A; 4 C; 3 G; 6 T; 0 U; 0 Other;

Query Match 10.2%; Score 13.2; DB 1; Length 18;
Best Local Similarity 83.3%; Pred. No. 1.7e+02;
Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1430 TATGCAGACATATACATG 1447
||| | ||||| |||||
Db 1 TATCCGACATATTCATG 18

RESULT 43
AAA07064/c
ID AAA07064 standard; DNA; 18 BP.
XX
AC AAA07064;
XX
DT 03-JUL-2000 (first entry)
XX
DE Human integrin beta 3 antisense oligonucleotide, SEQ ID NO:37.
XX
KW Integrin beta 3; human endothelial glycoprotein; GP3A; GPIIIa; ITGB3;
KW CD61; platelet glycoprotein 3a; cellular adhesion; vitronectin receptor;
KW fibronectin receptor; expression inhibition; antisense; tumour formation;

KW cancer invasion; bleeding disorder; inflammation; ss.
XX
OS Homo sapiens.
XX
PN US6037176-A.
XX
PD 14-MAR-2000.
XX
PF 25-JUN-1999; 99US-00344520.
XX
PR 25-JUN-1999; 99US-00344520.
XX
PA (ISIS-) ISIS PHARM INC.
XX
PI Bennett CF, Cowsert LM, Monia BP;
XX WPI; 2000-246189/21.
DR
XX New antisense compound that inhibits human integrin beta3, useful e.g.
PT for treating or preventing infection, inflammation and tumors.
PT
XX
PS Example 15; Col 40; 33pp; English.
XX
CC Sequences AAA07035-A07074 represent antisense oligonucleotides targetted
CC to the human integrin beta 3 gene, which inhibit its expression. The
CC antisense oligonucleotides were designed to target different regions of
CC the human integrin beta 3 RNA, and were analysed for their effect on
CC integrin beta 3 mRNA levels by quantitative real-time PCR. GAPDH
CC (glyceraldehyde-3-phosphate) mRNA levels were measured as a control.
CC Integrins constitute one of four classes of cellular adhesion molecules,
CC and play an important role in cell migration, cell anchorage to
CC substrates and cytoadhesion signalling pathways. They are heterodimeric
CC cation-dependent membrane glycoproteins composed of an alpha and beta
CC subunit. Integrin beta 3 (also known as human endothelial glycoprotein,
CC GP3A, GPIIIa, ITGB3, CD61 and platelet glycoprotein 3a) is the common
CC beta subunit partner of the members of the beta-3 subfamily of integrins.
CC This family consists of the vitronectin receptor (alpha-V-beta-3) and the
CC fibronectin receptor (alpha-IIb-beta-3). Cells expressing this class of
CC integrin can adhere to various matrix proteins and participate in various
CC cytoadhesion-driven cellular responses. Integrin beta 3 is implicated in
CC conditions such as vascular restenosis, excessive bone resorption,
CC angiogenesis (in melanoma), tumour invasion, platelet aggregation and
CC Glanzmann's thrombasthenia. The oligonucleotides of the invention are
CC useful for diagnosis, prevention and treatment of conditions associated
CC with integrin beta 3 expression, such as tumour formation, inflammation,
CC infections and the diseases mentioned above
XX
SQ Sequence 18 BP; 6 A; 3 C; 2 G; 7 T; 0 U; 0 Other;

Query Match 10.2%; Score 13.2; DB 1; Length 18;
Best Local Similarity 83.3%; Pred. No. 1.7e+02;
Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1410 TTAATGATGACCAGTCGT 1427
||||| | |||||
Db 18 TTAATGATAAGCAGTCAT 1

RESULT 44
ABH37069/c
ID ABH37069 standard; DNA; 13 BP.
XX
AC ABH37069;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 237046 for detecting SNP TSC0057828.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.

CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 3 A; 1 C; 3 G; 6 T; 0 U; 0 Other;

Query Match 10.0%; Score 13; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1356 AAAATATTCCACG 1368
Db 13 AAAATATTCCACG 1

RESULT 47
ABH37068
ID ABH37068 standard; DNA; 13 BP.
XX
AC ABH37068;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 237045 for detecting SNP TSC0057828.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB0000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 237045; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 4 A; 0 C; 3 G; 6 T; 0 U; 0 Other;

Query Match 10.0%; Score 13; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1406 ATTGTTAATGATG 1418
Db 1 ATTGTTAATGATG 13

RESULT 48
AAF03083/c
ID AAF03083 standard; DNA; 17 BP.
XX
AC AAF03083;
XX
DT 16-FEB-2001 (first entry)
XX
DE Hammerhead ribozyme substrate #1378.
XX
KW Ribozyme; erythropoietin; granulocyte colony stimulating factor;
KW interferon alpha; ss.
XX
OS Homo sapiens.
XX
PN WO2000061729-A2.
XX
PD 19-OCT-2000.
XX
PF 11-APR-2000; 2000WO-US009721.
XX
PR 12-APR-1999; 99US-0129390P.
XX
PA (RIBO-) RIBOZYME PHARM INC.
XX
PI Blatt L, Zwick M, Pavco P, Mcswiggen J;
XX
DR WPI; 2000-647423/62.
XX
PT Enzymatic and antisense nucleic acid inhibition of repressor genes,
PT useful for producing e.g. granulocyte colony stimulating factor protein,
PT interferon alpha and erythropoietin.
XX
PS Claim 37; Page 87; 164pp; English.
XX
CC The present invention relates to enzymatic and antisense nucleic acid
CC molecules that act as inhibitors of the expression of repressor genes
CC encoding the TR2 Orphan receptor, EAR3/COUP-TF-1, the GATA transcription
CC factor gene, IRF-2 and/or the CAAAT Displacement Protein (CDP).
CC Inhibition of the repressors removes prevents inhibition (and
CC consequently increases expression of) genes involved in the production of
CC erythropoietin, granulocyte colony stimulating factor protein and
CC interferon alpha
XX
SQ Sequence 17 BP; 3 A; 3 C; 1 G; 10 T; 0 U; 0 Other;

Query Match 10.0%; Score 13; DB 1; Length 17;
Best Local Similarity 100.0%; Pred. No. 1.7e+02;
Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1350 GGAAGAAAAAATAT 1362
Db 13 GGAAGAAAAAATAT 1

RESULT 49
AAF03082/c
ID AAF03082 standard; DNA; 17 BP.
XX
AC AAF03082;
XX
DT 16-FEB-2001 (first entry)
XX
DE Hammerhead ribozyme substrate #1377.
XX
KW Ribozyme; erythropoietin; granulocyte colony stimulating factor;
KW interferon alpha; ss.

```
XX OS Homo sapiens.
XX PN WO200061729-A2.
XX PD 19-OCT-2000.
XX PF 11-APR-2000; 2000WO-US009721.
XX PR 12-APR-1999; 99US-0129390P.
XX PA (RIBO-) RIBOZYME PHARM INC.
XX PI Blatt L, Zwick M, Pavco P, Mcswiggen J;
XX WPI; 2000-647423/62.
XX DR Enzymatic and antisense nucleic acid inhibition of repressor genes,
XX PT useful for producing e.g. granulocyte colony stimulating factor protein,
XX PT interferon alpha and erythropoietin.
XX PS Claim 37; Page 87; 164pp; English.
XX CC The present invention relates to enzymatic and antisense nucleic acid
XX CC molecules that act as inhibitors of the expression of repressor genes
XX CC encoding the TR2 Orphan receptor, EAR3/COUP-TF-1, the GATA transcription
XX CC factor gene, IRF-2 and/or the CAATT Displacement Protein (CDP).
XX CC Inhibition of the repressors removes prevents inhibition (and
XX CC consequently increases expression of) genes involved in the production of
XX CC erythropoietin, granulocyte colony stimulating factor protein and
XX CC interferon alpha
XX SQ Sequence 17 BP; 3 A; 3 C; 2 G; 9 T; 0 U; 0 Other;

Query Match 10.0%; Score 13; DB 1; Length 17;
Best Local Similarity 100.0%; Pred. No. 1.7e+02;
Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1350 GGAAGAAAAAATAT 1362
Db 14 GGAAGAAAAAATAT 2
|||||
RESULT 50
AAAF03081/c
ID AAF03081 standard; DNA; 17 BP.
XX AC AAF03081;
XX DT 16-FEB-2001 (first entry)
XX DE Hammerhead ribozyme substrate #1376.
XX KW Ribozyme; erythropoietin; granulocyte colony stimulating factor;
XX KW interferon alpha; ss.
XX OS Homo sapiens.
XX PN WO200061729-A2.
XX PD 19-OCT-2000.
XX PF 11-APR-2000; 2000WO-US009721.
XX PR 12-APR-1999; 99US-0129390P.
XX PA (RIBO-) RIBOZYME PHARM INC.
XX PI Blatt L, Zwick M, Pavco P, Mcswiggen J;
XX WPI; 2000-647423/62.
XX DR Enzymatic and antisense nucleic acid inhibition of repressor genes,
XX PT useful for producing e.g. granulocyte colony stimulating factor protein,
XX PT interferon alpha and erythropoietin.
XX PS Claim 37; Page 87; 164pp; English.
XX CC The present invention relates to enzymatic and antisense nucleic acid
XX CC molecules that act as inhibitors of the expression of repressor genes
XX CC encoding the TR2 Orphan receptor, EAR3/COUP-TF-1, the GATA transcription
XX CC factor gene, IRF-2 and/or the CAATT Displacement Protein (CDP).
XX CC Inhibition of the repressors removes prevents inhibition (and
XX CC consequently increases expression of) genes involved in the production of
XX CC erythropoietin, granulocyte colony stimulating factor protein and
XX CC interferon alpha
XX SQ Sequence 17 BP; 3 A; 3 C; 2 G; 9 T; 0 U; 0 Other;

Query Match 10.0%; Score 13; DB 1; Length 17;
Best Local Similarity 100.0%; Pred. No. 1.7e+02;
Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1350 GGAAGAAAAAATAT 1362
Db 14 GGAAGAAAAAATAT 2
|||||
RESULT 50
AAAF03081/c
ID AAF03081 standard; DNA; 17 BP.
XX AC AAF03081;
XX DT 16-FEB-2001 (first entry)
XX DE Hammerhead ribozyme substrate #1376.
XX KW Ribozyme; erythropoietin; granulocyte colony stimulating factor;
XX KW interferon alpha; ss.
XX OS Homo sapiens.
XX PN WO200061729-A2.
XX PD 19-OCT-2000.
XX PF 11-APR-2000; 2000WO-US009721.
XX PR 12-APR-1999; 99US-0129390P.
XX PA (RIBO-) RIBOZYME PHARM INC.
XX PI Blatt L, Zwick M, Pavco P, Mcswiggen J;
XX WPI; 2000-647423/62.
XX DR Enzymatic and antisense nucleic acid inhibition of repressor genes,
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PT useful for producing e.g. granulocyte colony stimulating factor protein,
PT interferon alpha and erythropoietin.
XX PS Claim 37; Page 87; 164pp; English.
XX CC The present invention relates to enzymatic and antisense nucleic acid
XX CC molecules that act as inhibitors of the expression of repressor genes
XX CC encoding the TR2 Orphan receptor, EAR3/COUP-TF-1, the GATA transcription
XX CC factor gene, IRF-2 and/or the CAATT Displacement Protein (CDP).
XX CC Inhibition of the repressors removes prevents inhibition (and
XX CC consequently increases expression of) genes involved in the production of
XX CC erythropoietin, granulocyte colony stimulating factor protein and
XX CC interferon alpha
XX SQ Sequence 17 BP; 4 A; 3 C; 1 G; 9 T; 0 U; 0 Other;

Query Match 10.0%; Score 13; DB 1; Length 17;
Best Local Similarity 100.0%; Pred. No. 1.7e+02;
Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1350 GGAAGAAAAAATAT 1362
Db 15 GGAAGAAAAAATAT 3
|||||
RESULT 51
AAAF03079/c
ID AAF03079 standard; DNA; 17 BP.
XX AC AAF03079;
XX DT 16-FEB-2001 (first entry)
XX DE Hammerhead ribozyme substrate #1374.
XX KW Ribozyme; erythropoietin; granulocyte colony stimulating factor;
XX KW interferon alpha; ss.
XX OS Homo sapiens.
XX PN WO200061729-A2.
XX PD 19-OCT-2000.
XX PF 11-APR-2000; 2000WO-US009721.
XX PR 12-APR-1999; 99US-0129390P.
XX PA (RIBO-) RIBOZYME PHARM INC.
XX PI Blatt L, Zwick M, Pavco P, Mcswiggen J;
XX WPI; 2000-647423/62.
XX DR Enzymatic and antisense nucleic acid inhibition of repressor genes,
XX PT useful for producing e.g. granulocyte colony stimulating factor protein,
XX PT interferon alpha and erythropoietin.
XX PS Claim 37; Page 87; 164pp; English.
XX CC The present invention relates to enzymatic and antisense nucleic acid
XX CC molecules that act as inhibitors of the expression of repressor genes
XX CC encoding the TR2 Orphan receptor, EAR3/COUP-TF-1, the GATA transcription
XX CC factor gene, IRF-2 and/or the CAATT Displacement Protein (CDP).
XX CC Inhibition of the repressors removes prevents inhibition (and
XX CC consequently increases expression of) genes involved in the production of
XX CC erythropoietin, granulocyte colony stimulating factor protein and
XX CC interferon alpha
XX SQ Sequence 17 BP; 4 A; 4 C; 1 G; 8 T; 0 U; 0 Other;

Query Match 10.0%; Score 13; DB 1; Length 17;
Best Local Similarity 100.0%; Pred. No. 1.7e+02;
```

Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1350 GGAAGAAAAATAT 1362
|||||
Db 17 GGAAGAAAAATAT 5

RESULT 52
AAF03080/c
ID AAF03080 standard; DNA; 17 BP.
XX
AC AAF03080;
XX
DT 16-FEB-2001 (first entry)
XX
DE Hammerhead ribozyme substrate #1375.
XX
KW Ribozyme; erythropoietin; granulocyte colony stimulating factor;
KW interferon alpha; ss.
XX
OS Homo sapiens.
XX
PN WO2000061729-A2.
XX
PD 19-OCT-2000.
XX
PF 11-APR-2000; 2000WO-US009721.
XX
PR 12-APR-1999; 99US-0129390P.
XX
PA (RIBO-) RIBOZYME PHARM INC.
XX
PI Blatt L, Zwick M, Pavco P, Mcswiggen J;
XX
DR WPI; 2000-647423/62.
XX
PT Enzymatic and antisense nucleic acid inhibition of repressor genes,
PT useful for producing e.g. granulocyte colony stimulating factor protein,
PT interferon alpha and erythropoietin.
XX
PS Claim 37; Page 87; 164pp; English.
XX
CC The present invention relates to enzymatic and antisense nucleic acid
CC molecules that act as inhibitors of the expression of repressor genes
CC encoding the TR2 Orphan receptor, EAR3/COUP-TF-1, the GATA transcription
CC factor gene, IRF-2 and/or the CAAT Displacement Protein (CDP).
CC Inhibition of the repressors removes prevents inhibition (and
CC consequently increases expression of) genes involved in the production of
CC erythropoietin, granulocyte colony stimulating factor protein and
CC interferon alpha
XX
SQ Sequence 17 BP; 5 A; 3 C; 1 G; 8 T; 0 U; 0 Other;

Query Match 10.0%; Score 13; DB 1; Length 17;
Best Local Similarity 100.0%; Pred. No. 1.7e+02;
Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1350 GGAAGAAAAATAT 1362
|||||
Db 16 GGAAGAAAAATAT 4

RESULT 53
AAF03085/c
ID AAF03085 standard; DNA; 17 BP.
XX
AC AAF03085;
XX
DT 16-FEB-2001 (first entry)
XX
DE Hammerhead ribozyme substrate #1380.
XX
KW Ribozyme; erythropoietin; granulocyte colony stimulating factor;

KW interferon alpha; ss.
XX
OS Homo sapiens.
XX
PN WO2000061729-A2.
XX
PD 19-OCT-2000.
XX
PF 11-APR-2000; 2000WO-US009721.
XX
PR 12-APR-1999; 99US-0129390P.
XX
PA (RIBO-) RIBOZYME PHARM INC.
XX
PI Blatt L, Zwick M, Pavco P, Mcswiggen J;
XX
DR WPI; 2000-647423/62.
XX
PT Enzymatic and antisense nucleic acid inhibition of repressor genes,
PT useful for producing e.g. granulocyte colony stimulating factor protein,
PT interferon alpha and erythropoietin.
XX
PS Claim 37; Page 87; 164pp; English.
XX
CC The present invention relates to enzymatic and antisense nucleic acid
CC molecules that act as inhibitors of the expression of repressor genes
CC encoding the TR2 Orphan receptor, EAR3/COUP-TF-1, the GATA transcription
CC factor gene, IRF-2 and/or the CAAT Displacement Protein (CDP).
CC Inhibition of the repressors removes prevents inhibition (and
CC consequently increases expression of) genes involved in the production of
CC erythropoietin, granulocyte colony stimulating factor protein and
CC interferon alpha
XX
SQ Sequence 17 BP; 3 A; 3 C; 1 G; 10 T; 0 U; 0 Other;

Query Match 10.0%; Score 13; DB 1; Length 17;
Best Local Similarity 100.0%; Pred. No. 1.7e+02;
Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1440 TATACATGGAAGA 1452
|||||
Db 17 TATACATGGAAGA 5

RESULT 54
ACC51406
ID ACC51406 standard; DNA; 17 BP.
XX
AC ACC51406;
XX
DT 27-JUN-2003 (first entry)
XX
DE Human tumour suppressor sequence #173.
XX
KW ss; tumour suppressor; antitumour; cytostatic; tumour suppression;
KW tumour regression; apoptosis; virus resistance; diagnosis;
KW cellular degeneration.
XX
OS Homo sapiens.
XX
PN FR2826373-A1.
XX
PD 27-DEC-2002.
XX
PF 20-JUN-2001; 2001FR-00008139.
XX
PR 20-JUN-2001; 2001FR-00008139.
XX
PA (MOLE-) MOLECULAR ENGINES LAB SA.
XX
PI Tuijnder M, Telerman A, Amson R;
XX
DR WPI; 2003-250498/25.

XX New nucleic acid sequences associated with tumor suppression, regression,
PT apoptosis or virus resistance are useful to diagnose and treat viral
PT disease, development of tumor cells and cell degeneration.

XX Claim 1; Page 80; 798pp; French.

XX This sequence represents an isolated nucleic acid sequence associated
CC with tumour suppression or regression, apoptosis or virus resistance. The
CC invention relates to these sequences or sequences having at least 80%
CC identity to them, and polypeptides encoded by the sequences or
CC polypeptides having 80% identity to the polypeptide sequences. The
CC invention is used to diagnose or treat viral disease or disease
CC characterized by development of tumour cells or cellular degeneration

XX Sequence 17 BP; 9 A; 2 C; 2 G; 4 T; 0 U; 0 Other;

Query Match 10.0%; Score 13; DB 1; Length 17;
Best Local Similarity 100.0%; Pred. No. 1.7e+02;
Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1459 GATCAAGCAAATA 1471

Db 1 GATCAAGCAAATA 13

RESULT 55

AAV91002/c
ID AAV91002 standard; RNA; 17 BP.

XX AAV91002;

DT 18-FEB-1999 (first entry)

DE Human C-raf target site nucleotide position 556.

XX Human; c-raf; A-raf; B-raf; hammerhead ribozyme; hairpin ribozyme;
KW target; substrate; catalyst; modulation; expression; Raf gene; delivery;
KW screening; identification; synthesis; deprotection; purification; cancer;
KW inflammation; psoriasis; non-hepatic ascites; infection; genetic drift;
KW restenosis; rheumatoid arthritis; ss.

XX Homo sapiens.

OS WO9850530-A2.

PN 12-NOV-1998.

XX 05-MAY-1998; 98WO-US009249.

XX 09-MAY-1997; 97US-0046059P.

PR 09-JUN-1997; 97US-0049002P.

PR 03-JUL-1997; 97US-0051718P.

PR 22-AUG-1997; 97US-0056808P.

PR 02-OCT-1997; 97US-0061321P.

PR 02-OCT-1997; 97US-0061324P.

PR 05-NOV-1997; 97US-0064866P.

PR 19-DEC-1997; 97US-0068212P.

XX (RIBO-) RIBOZYME PHARM INC.

PA Jarvis T, Matulic-Adamic J, Reynolds M, Kisich K, Bellon L;

XX Parry T, Beigelman L, Mcswiggen JA, Karpeisky A, Burgin A;

PI Thompson J, Workman CT, Beaudry A, Sweedler D;

XX WPI; 1999-009494/01.

XX Identifying new catalytic nucleic acid that modulates selected processes

PT - especially ribozymes that cleave Raf RNA for treating cancer,

PT restenosis, and also new ribozymes and modified nucleoside triphosphates

PT used as antiviral agents and synthons.

XX Claim 177; Page 147; 259pp; English.

XX

CC A method has been developed for the identification of a nucleic acid
CC capable of modulating a process in a biological system. The method
CC comprises: (a) introducing into the system a random library of nucleic
CC acid catalysts (NAC) having a substrate binding domain (SBD), comprising
CC a random sequence, and a catalytic domain (CD); and (b) identifying NAC
CC in systems where modulation has occurred and/or determining the sequence
CC of at least part of the SBDs in such systems. Nucleic acid molecules with
CC endonuclease activity and catalytic activity, from the present invention,
CC are used to modulate gene expression in plant and mammalian cells and to
CC cleave target nucleic acid, particularly for treating systemic diseases
CC caused by specific RNA, e.g. cancer, inflammation, psoriasis, non-hepatic
CC ascites and infection. They may also be used to detect genetic drift and
CC mutations in diseased cells and to determine c-raf RNA. Specifically NACs
CC with RNA-cleaving activity that modulate expression of the Raf gene, are
CC used to treat cancer, restenosis, psoriasis or rheumatoid arthritis, or
CC generally any condition associated with the level of c-raf. Introduction
CC of sugar/phosphate modifications increases stability against nuclease and
CC activity. AAV90922 to AAV93877 represent NACs that can be used in the
CC method, specifically for modulating the expression of a Raf gene

XX Sequence 17 BP; 4 A; 4 C; 5 G; 0 T; 4 U; 0 Other;

Query Match 9.8%; Score 12.8; DB 1; Length 17;

Best Local Similarity 87.5%; Pred. No. 1.8e+02;

Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1382 CGTCTTCTGATCAAAAG 1397

Db 17 CGTCTTCCGAGCAAAG 2

RESULT 56

AAAF03157
ID AAF03157 standard; DNA; 17 BP.

XX AAF03157;

XX 16-FEB-2001 (first entry)

DE Hammerhead ribozyme substrate #1452.

XX Ribozyme; erythropoietin; granulocyte colony stimulating factor;
KW interferon alpha; ss.

XX Homo sapiens.

OS WO200061729-A2.

XX 19-OCT-2000.

XX 11-APR-2000; 2000WO-US009721.

XX 12-APR-1999; 99US-0129390P.

XX (RIBO-) RIBOZYME PHARM INC.

XX Blatt L, Zwick M, Pavco P, Mcswiggen J;

XX WPI; 2000-647423/62.

XX Enzymatic and antisense nucleic acid inhibition of repressor genes,
PT useful for producing e.g. granulocyte colony stimulating factor protein,
PT interferon alpha and erythropoietin.

XX Claim 37; Page 89; 164pp; English.

XX The present invention relates to enzymatic and antisense nucleic acid
CC molecules that act as inhibitors of the expression of repressor genes
CC encoding the TR2 Orphan receptor, EAR3/COUP-TF-1, the GATA transcription
CC factor gene, IRF-2 and/or the CAAAT Displacement Protein (CDP).

XX Inhibition of the repressors removes prevents inhibition (and
CC consequently increases expression of) genes involved in the production of


```
CC erythropoietin, granulocyte colony stimulating factor protein and
CC interferon alpha
XX
SQ Sequence 17 BP; 10 A; 1 C; 2 G; 4 T; 0 U; 0 Other;

Query Match          9.8%; Score 12.8; DB 1; Length 17;
Best Local Similarity 87.5%; Pred. No. 1.8e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1353 AGAAAAATATTCACG 1368
Db 1 AGAAAAATATTCACG 16
|||||

RESULT 57
AAC82073/c
ID AAC82073 standard; DNA; 17 BP.
XX
AC AAC82073;
XX
DT 07-MAR-2001 (first entry)
XX
DE Enterobacter sp gyrB PCR primer gyrB3 #2.
XX
KW Genotypic classification; gyrA; gyrB; parC; parE; diagnosis; detection;
KW epidemiology; quinolone-resistance mutant; ds.
XX
OS Synthetic.
XX
PN WO200061796-A1.
XX
PD 19-OCT-2000.
XX
PF 10-APR-2000; 2000WO-EP003187.
XX
PR 10-APR-1999; 99DE-01016227.
PR 19-AUG-1999; 99EP-00116340.
XX
XX
PA (MERL-) MERLIN GES MIKROBIOLOGISCHE DIAGNOSTIKA.
PI Heisig P, Fuchs-Gomez Y;
XX
XX WPI; 2000-665142/64.
XX
PT Genotypic classification of bacteria, useful e.g. for diagnosis, based on
PT variations in the sequence of the gyr and par genes.
XX
PS Disclosure; Page 46; 54pp; German.
XX
CC This invention describes a novel method for genotypic classification of
CC bacteria which is based on the sequences of parts of at least one of the
CC genes gyrA, gyrB, parC and parE, and comparison with known sequences of
CC these genes. The method is used to identify bacteria, including
CC differentiation between subspecies, for analytical or diagnostic
CC classification, e.g. in epidemiological studies and for detection of
CC quinolone-resistance mutations. The specified genes are (almost)
CC universally present in bacteria; show stable sequence variations; are
CC identical within a given strain; show smaller variations between strains
CC of a species than between species; contain species-specific variations
CC and are highly conserved
XX
SQ Sequence 17 BP; 6 A; 3 C; 2 G; 6 T; 0 U; 0 Other;

Query Match          9.8%; Score 12.8; DB 1; Length 17;
Best Local Similarity 87.5%; Pred. No. 1.8e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1400 GGTAATAATGTTAATG 1415
Db 17 GGTAATAATCTTAACG 2
|||||

RESULT 58
```

```
ABV79884/c
ID ABV79884 standard; DNA; 17 BP.
XX
AC ABV79884;
XX
DT 03-JAN-2003 (first entry)
XX
DE Human HTPL scanning oligonucleotide SEQ ID 1130.
XX
KW Human; gene therapy; tumour suppressor; HTPL; chromosome 10p12.1;
KW human testis expressed Patched like protein; testis; adrenal; liver;
KW male germ cell development; bone marrow; brain; kidney; lung; placenta;
KW prostate; skeletal muscle; colon; male infertility; cancer; ss.
XX
OS Homo sapiens.
XX
PN EP1229046-A2.
XX
PD 07-AUG-2002.
XX
PF 28-JAN-2002; 2002EP-00001167.
XX
PR 30-JAN-2001; 2001WO-US0000663.
PR 30-JAN-2001; 2001WO-US0000664.
PR 30-JAN-2001; 2001WO-US0000665.
PR 30-JAN-2001; 2001WO-US0000667.
PR 30-JAN-2001; 2001WO-US0000668.
PR 30-JAN-2001; 2001WO-US0000669.
PR 23-MAY-2001; 2001US-00864761.
PR 09-OCT-2001; 2001US-0327898P.
XX
PA (AEOM-) AEOMICA INC.
XX
PI Zhan J;
XX
WPI; 2002-676582/73.
XX
PT Novel isolated human testis expressed Patched like protein (HTPL), useful
PT for identifying agonist and antagonist and specific binding partners, and
PT for treating subjects having defects in HTPL.
XX
PS Example 2; Page 211; 718pp; English.
XX
CC The present invention relates to human testis expressed Patched like
CC protein (HTPL, see ABV78759 to ABV78762 and ABB98519 to ABB98520). HTPL
CC has two isoforms, with a few single base pair differences between the
CC two. One of the single base pair changes introduces a premature stop
CC codon in HTPL-S (S for short) compared to HTPL-L (L for long). HTPL
CC shares an overall structure organisation with the Patched protein. The
CC shared structural features strongly imply that HTPL plays a role similar
CC to that of Patched, and is a potential tumour suppressor. HTPL is
CC important in regulating male germ cell development, and the HTPL gene was
CC mapped to human chromosome 10p12.1. HTPL and its coding sequence are
CC useful for diagnosing a disorder caused by mutation in HTPL, and in
CC such disorder associated with decreased expression or prevention of
CC HTPL. Such disorders include disorders of testis, or adrenal, adult and
CC foetal liver, bone marrow, brain, kidney, lung, placenta, prostate,
CC skeletal muscle or colon function. HTPL proteins and nucleic acids are
CC clinically useful diagnostic markers and potential therapeutic agents for
CC male infertility and cancer. The present oligonucleotide was used in an
CC example from the invention
XX
SQ Sequence 17 BP; 4 A; 6 C; 2 G; 5 T; 0 U; 0 Other;

Query Match          9.8%; Score 12.8; DB 1; Length 17;
Best Local Similarity 87.5%; Pred. No. 1.8e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1458 TGATCAAGCAATAGG 1473
Db 17 TGATCGAGCAATGGG 2
|||||
```

RESULT 59
ABV79886/c
ID ABV79886 standard; DNA; 17 BP.
XX
AC ABV79886;
XX
DT 03-JAN-2003 (first entry)
XX
DE Human HTPL scanning oligonucleotide SEQ ID 1132.
XX
KW Human; gene therapy; tumour suppressor; HTPL; chromosome 10p12.1;
KW human testis expressed Patched like protein; testis; adrenal; liver;
KW male germ cell development; bone marrow; brain; kidney; lung; placenta;
KW prostate; skeletal muscle; colon; male infertility; cancer; ss.
OS Homo sapiens.
XX
PN EP1229046-A2.
XX
PD 07-AUG-2002.
XX
PF 28-JAN-2002; 2002EP-00001167.
XX
PR 30-JAN-2001; 2001WO-US000663.
PR 30-JAN-2001; 2001WO-US000664.
PR 30-JAN-2001; 2001WO-US000665.
PR 30-JAN-2001; 2001WO-US000667.
PR 30-JAN-2001; 2001WO-US000668.
PR 30-JAN-2001; 2001WO-US000669.
PR 23-MAY-2001; 2001US-00864761.
PR 09-OCT-2001; 2001US-0327898P.
XX
PA (AEOM-) AEOMICA INC.
XX
PI Zhan J;
XX
DR WPI; 2002-676582/73.
XX
PT Novel isolated human testis expressed Patched like protein (HTPL), useful
PT for identifying agonist and antagonist and specific binding partners, and
PT for treating subjects having defects in HTPL.
XX
PS Example 2; Page 212; 718pp; English.
XX
CC The present invention relates to human testis expressed Patched like
CC protein (HTPL, see ABV78759 to ABV78762 and AB98519 to AB98520). HTPL
CC has two isoforms, with a few single base pair differences between the
CC two. One of the single base pair changes introduces a premature stop
CC codon in HTPL-S (S for short) compared to HTPL-L (L for long). HTPL
CC shares an overall structure organisation with the Patched protein. The
CC shared structural features strongly imply that HTPL plays a role similar
CC to that of Patched, and is a potential tumour suppressor. HTPL is
CC important in regulating male germ cell development, and the HTPL gene was
CC mapped to human chromosome 10p12.1. HTPL and its coding sequence are
CC useful for diagnosing a disorder caused by mutation in HTPL, and in
CC therapy and manufacture of a medicament for treatment or prevention of
CC such disorder associated with decreased expression or activity of human
CC HTPL. Such disorders include disorders of testis, or adrenal, adult and
CC foetal liver, bone marrow, brain, kidney, lung, placenta, prostate,
CC skeletal muscle or colon function. HTPL proteins and nucleic acids are
CC clinically useful diagnostic markers and potential therapeutic agents for
CC male infertility and cancer. The present oligonucleotide was used in an
CC example from the invention
XX
SQ Sequence 17 BP; 4 A; 5 C; 2 G; 6 T; 0 U; 0 Other;
Query Match 9.8%; Score 12.8; DB 1; Length 17;
Best Local Similarity 87.5%; Pred. No. 1.8e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
QY 1457 TTGATCAAGCAATAG 1472
||||| |||||

Db 16 TTGATCGAGCAATGG 1
RESULT 60
ABK17389
ID ABK17389 standard; RNA; 17 BP.
XX
AC ABK17389;
XX
DT 09-APR-2002 (first entry)
XX
DE Human ERG hammerhead ribozyme target sequence, Seq ID No 36.
XX
KW Human; hammerhead ribozyme; cytostatic; antitumour; antidiabetic;
KW ophthalmological; antiarthritic; antipsoriatic; virucide; osteopathic;
KW vulnarary; cancer; lymphoma; Ewing's sarcoma; melanoma; psoriasis;
KW tumour angiogenesis; diabetic retinopathy; macular degeneration;
KW neovascular glaucoma; myopic degeneration; arthritis; verruca vulgaris;
KW angiofibroma of tuberosus sclerosis; port-wine stain; wound healing;
KW Sturge Weber syndrome; Kippel-Trenaunay-Weber syndrome; leukaemia; ss;
KW Osler-Weber-rendu syndrome, leukaemia; osteoporosis; DNAzyme; inozyme;
KW amberzyme.
XX
OS Homo sapiens.
XX
PN WO200188124-A2.
XX
PD 22-NOV-2001.
XX
PF 16-MAY-2001; 2001WO-US015866.
XX
PR 16-MAY-2000; 2000US-00572021.
XX
PA (RIBO-) RIBOZYME PHARM INC.
PA (GLAX) GLAXO GROUP LTD.
XX
PI Jarvis T, Von Carlowitz I, Mcswiggen JA, Mclaughlin F, Randi AM;
XX WPI; 2002-082995/11.
XX
DR Novel polynucleotide which down regulates expression of Ets-related gene,
PT useful for treating cancer, diabetic retinopathy, macular degeneration,
PT arthritis, psoriasis, verruca vulgaris and Sturge Weber syndrome.
XX
PS Claim 4; Page 59; 149pp; English.
XX
CC The invention relates to a nucleic acid molecule (I) which down regulates
CC expression of an Ets-related gene (ERG). (I) is useful for treating
CC conditions selected from cancer, lymphoma, Ewing's sarcoma, melanoma,
CC tumour angiogenesis, diabetic retinopathy, macular degeneration,
CC neovascular glaucoma, myopic degeneration, arthritis, psoriasis, verruca
CC vulgaris, angiofibroma of tuberosus sclerosis, port-wine stains, Sturge
CC Weber syndrome, Kippel-Trenaunay-Weber syndrome, Osler-Weber-rendu
CC syndrome, leukaemia, osteoporosis and wound healing. (I) is useful for
CC treating a patient having a condition associated with the level of ERG,
CC by contacting cells of the patient with (I) under conditions suitable for
CC the treatment. The method comprises the use of one or more therapies
CC under conditions suitable for the treatment. Leukaemia or tumour
CC angiogenesis is treated by administering (I) to the patient in
CC conjunction with one or more of other therapies such as radiation or
CC chemotherapy treatment. (I) is useful for reducing ERG activity in a
CC cell, by contacting the cell with (I). (I) is useful for cleaving RNA of
CC ERG gene, by contacting (I) with RNA, in the presence of a divalent
CC cation such as Mg2+. (I) is useful for diagnosis of conditions and
CC diseases related to the expression of ERG, and as diagnostic tool to
CC examine genetic drift and mutations within diseased cells or to detect
CC the presence of ERG RNA in a cell. (I) is useful for specifically
CC targeting genes that share homology with ERG gene or ERG fusion genes.
CC ABK17354-ABK22719 represent nucleic acids, including antisense and
CC enzymatic nucleic acid molecules which regulate expression of ERG, and
CC related PCR primers of the invention
XX
SQ Sequence 17 BP; 2 A; 3 C; 6 G; 0 T; 6 U; 0 Other;

Query Match 9.8%; Score 12.8; DB 1; Length 17;
Best Local Similarity 56.2%; Pred. No. 1.8e+02;
Matches 9; Conservative 5; Mismatches 2; Indels 0; Gaps 0;
QY 1418 GACCAGTCGTTCTATG 1433
Db 2 GACCAGUCGUUUUG 17

RESULT 61
ABK18744
ID ABK18744 standard; RNA; 17 BP.
XX
AC ABK18744;
XX
DT 09-APR-2002 (first entry)
XX
DE Human ERG DNazyme target sequence Seq ID No 1391.
XX
KW Human; hammerhead ribozyme; cytostatic; antitumour; antidiabetic;
KW ophthalmological; antiarthritic; antipsoriatic; virucide; osteopathic;
KW vulnery; cancer; lymphoma; Ewing's sarcoma; melanoma; psoriasis;
KW tumour angiogenesis; diabetic retinopathy; macular degeneration;
KW neovascular glaucoma; myopic degeneration; arthritis; verruca vulgaris;
KW angiofibroma of tuberous sclerosis; port-wine stain; wound healing;
KW Sturge Weber syndrome; Kippel-Trenaunay-Weber syndrome; leukaemia; ss;
KW Osler-Weber-rendu syndrome; leukaemia; osteoporosis; DNazyme; inozyme;
KW amberzyme.

XX Homo sapiens.
OS
XX
XX WO200188124-A2.
PN
XX
XX 22-NOV-2001.
PD
XX
XX 16-MAY-2001; 2001WO-US015866.
PF
XX
XX 16-MAY-2000; 2000US-00572021.
PR
XX
XX (RIBO-) RIBOZYME PHARM INC.
PA
XX (GLAX) GLAXO GROUP LTD.
XX
PI Jarvis T, Von Carlowitz I, Mcswiggen JA, McLaughlin F, Randi AM;
XX
XX WPI; 2002-082995/11.
DR
XX
XX Novel polynucleotide which down regulates expression of Ets-related gene,
PT useful for treating cancer, diabetic retinopathy, macular degeneration,
PT arthritis, psoriasis, verruca vulgaris and Sturge Weber syndrome.
XX
PS Claim 4; Page 90; 149pp; English.

XX
XX The invention relates to a nucleic acid molecule (I) which down regulates
CC expression of an Ets-related gene (ERG). (I) is useful for treating
CC conditions selected from cancer, lymphoma, Ewing's sarcoma, melanoma,
CC tumour angiogenesis, diabetic retinopathy, macular degeneration,
CC neovascular glaucoma, myopic degeneration, arthritis, psoriasis, verruca
CC vulgaris, angiofibroma of tuberous sclerosis, port-wine stains, Sturge
CC Weber syndrome, Kippel-Trenaunay-Weber syndrome, Osler-Weber-rendu
CC syndrome, leukaemia, osteoporosis and wound healing. (I) is useful for
CC treating a patient having a condition associated with the level of ERG,
CC by contacting cells of the patient with (I) under conditions suitable for
CC the treatment. The method comprises the use of one or more therapies
CC under conditions suitable for the treatment. Leukaemia or tumour
CC angiogenesis is treated by administering (I) to the patient in
CC conjunction with one or more of other therapies such as radiation or
CC chemotherapy treatment. (I) is useful for reducing ERG activity in a
CC cell, by contacting the cell with (I). (I) is useful for cleaving RNA of
CC ERG gene, by contacting (I) with RNA, in the presence of a divalent
CC cation such as Mg2+. (I) is useful for diagnosis of conditions and
CC diseases related to the expression of ERG, and as diagnostic tool to
CC examine genetic drift and mutations within diseased cells or to detect

CC the presence of ERG RNA in a cell. (I) is useful for specifically
CC targeting genes that share homology with ERG gene or ERG fusion genes.
CC ABK17354-ABK22719 represent nucleic acids, including antisense and
CC enzymatic nucleic acid molecules which regulate expression of ERG, and
CC related PCR primers of the invention
XX
SQ Sequence 17 BP; 3 A; 3 C; 5 G; 0 T; 6 U; 0 Other;
Query Match 9.8%; Score 12.8; DB 1; Length 17;
Best Local Similarity 56.2%; Pred. No. 1.8e+02;
Matches 9; Conservative 5; Mismatches 2; Indels 0; Gaps 0;

QY 1418 GACCAGTCGTTCTATG 1433
Db 1 GACCAGUCGUUUUG 16
RESULT 62
ABK18928
ID ABK18928 standard; RNA; 17 BP.
XX
AC ABK18928;
XX
DT 09-APR-2002 (first entry)
XX
DE Human ERG DNazyme target sequence Seq ID No 1575.
XX
KW Human; hammerhead ribozyme; cytostatic; antitumour; antidiabetic;
KW ophthalmological; antiarthritic; antipsoriatic; virucide; osteopathic;
KW vulnery; cancer; lymphoma; Ewing's sarcoma; melanoma; psoriasis;
KW tumour angiogenesis; diabetic retinopathy; macular degeneration;
KW neovascular glaucoma; myopic degeneration; arthritis; verruca vulgaris;
KW angiofibroma of tuberous sclerosis; port-wine stain; wound healing;
KW Sturge Weber syndrome; Kippel-Trenaunay-Weber syndrome; leukaemia; ss;
KW Osler-Weber-rendu syndrome; leukaemia; osteoporosis; DNazyme; inozyme;
KW amberzyme.
XX
XX Homo sapiens.
OS
XX
XX WO200188124-A2.
PN
XX
XX 22-NOV-2001.
PD
XX
XX 16-MAY-2001; 2001WO-US015866.
PF
XX
XX 16-MAY-2000; 2000US-00572021.
PR
XX
XX (RIBO-) RIBOZYME PHARM INC.
PA
XX (GLAX) GLAXO GROUP LTD.
XX
PI Jarvis T, Von Carlowitz I, Mcswiggen JA, McLaughlin F, Randi AM;
XX
XX WPI; 2002-082995/11.

XX
XX Novel polynucleotide which down regulates expression of Ets-related gene,
PT useful for treating cancer, diabetic retinopathy, macular degeneration,
PT arthritis, psoriasis, verruca vulgaris and Sturge Weber syndrome.
XX
PS Claim 4; Page 105; 149pp; English.
XX
XX The invention relates to a nucleic acid molecule (I) which down regulates
CC expression of an Ets-related gene (ERG). (I) is useful for treating
CC conditions selected from cancer, lymphoma, Ewing's sarcoma, melanoma,
CC tumour angiogenesis, diabetic retinopathy, macular degeneration,
CC neovascular glaucoma, myopic degeneration, arthritis, psoriasis, verruca
CC vulgaris, angiofibroma of tuberous sclerosis, port-wine stains, Sturge
CC Weber syndrome, Kippel-Trenaunay-Weber syndrome, Osler-Weber-rendu
CC syndrome, leukaemia, osteoporosis and wound healing. (I) is useful for
CC treating a patient having a condition associated with the level of ERG,
CC by contacting cells of the patient with (I) under conditions suitable for
CC the treatment. The method comprises the use of one or more therapies
CC under conditions suitable for the treatment. Leukaemia or tumour
CC angiogenesis is treated by administering (I) to the patient in

CC conjunction with one or more of other therapies such as radiation or
CC chemotherapy treatment. (I) is useful for reducing ERG activity in a
CC cell, by contacting the cell with (I). (I) is useful for cleaving RNA of
CC ERG gene, by contacting (I) with RNA, in the presence of a divalent
CC cation such as Mg2+. (I) is useful for diagnosis of conditions and
CC diseases related to the expression of ERG, and as diagnostic tool to
CC examine genetic drift and mutations within diseased cells or to detect
CC the presence of ERG RNA in a cell. (I) is useful for specifically
CC targeting genes that share homology with ERG gene or ERG fusion genes.
CC ABK17354-ABK22719 represent nucleic acids, including antisense and
CC enzymatic nucleic acid molecules which regulate expression of ERG, and
CC related PCR primers of the invention
XX
SQ Sequence 17 BP; 4 A; 3 C; 7 G; 0 T; 3 U; 0 Other;

Query Match 9.8%; Score 12.8; DB 1; Length 17;
Best Local Similarity 68.8%; Pred. No. 1.8e+02;
Matches 11; Conservative 3; Mismatches 2; Indels 0; Gaps 0;

QY 1412 AATGATGACCAGTCGT 1427
Db | : ||| : ||| : ||| : ||| :
2 ACUGAGGACCAGUCGU 17

RESULT 63
ABK18743
ID ABK18743 standard; RNA; 17 BP.
XX
AC ABK18743;
XX
DT 09-APR-2002 (first entry)
XX
DE Human ERG DNazyme target sequence Seq ID No 1390.
XX
KW Human; hammerhead ribozyme; cytostatic; antitumour; antidiabetic;
KW ophthalmological; antiarthritic; antipsoriatic; virucide; osteopathic;
KW vulnerary; cancer; lymphoma; Ewing's sarcoma; melanoma; psoriasis;
KW tumour angiogenesis; diabetic retinopathy; macular degeneration;
KW neovascular glaucoma; myopic degeneration; arthritis; verruca vulgaris;
KW angiofibroma of tuberous sclerosis; port-wine stain; wound healing;
KW Sturge Weber syndrome; Kippel-Trenaunay-Weber syndrome; leukaemia; ss;
KW Osler-Weber-rendu syndrome, leukaemia; osteoporosis; DNazyme; inozyme;
KW amberzyme.
XX
OS Homo sapiens.
XX
PN WO200188124-A2.
XX
PD 22-NOV-2001.
XX
PF 16-MAY-2001; 2001WO-US015866.
XX
PR 16-MAY-2000; 2000US-00572021.
XX
PA (RIBO-) RIBOZYME PHARM INC.
PA (GLAX) GLAXO GROUP LTD.
XX
PI Jarvis T, Von Carlowitz I, Mcswiggen JA, McLaughlin F, Randi AM;
XX WPI; 2002-082995/11.
DR
PT Novel polynucleotide which down regulates expression of Ets-related gene,
PT useful for treating cancer, diabetic retinopathy, macular degeneration,
PT arthritis, psoriasis, verruca vulgaris and Sturge Weber syndrome.
XX
PS Claim 4; Page 90; 149pp; English.
XX
CC The invention relates to a nucleic acid molecule (I) which down regulates
CC expression of an Ets-related gene (ERG). (I) is useful for treating
CC conditions selected from cancer, lymphoma, Ewing's sarcoma, melanoma,
CC tumour angiogenesis, diabetic retinopathy, macular degeneration,
CC neovascular glaucoma, myopic degeneration, arthritis, psoriasis, verruca
CC vulgaris, angiofibroma of tuberous sclerosis, port-wine stains, Sturge

CC Weber syndrome, Kippel-Trenaunay-Weber syndrome, Osler-Weber-rendu
CC syndrome, leukaemia, osteoporosis and wound healing. (I) is useful for
CC treating a patient having a condition associated with the level of ERG,
CC by contacting cells of the patient with (I) under conditions suitable for
CC the treatment. The method comprises the use of one or more therapies
CC under conditions suitable for the treatment. Leukaemia or tumour
CC angiogenesis is treated by administering (I) to the patient in
CC conjunction with one or more of other therapies such as radiation or
CC chemotherapy treatment. (I) is useful for reducing ERG activity in a
CC cell, by contacting the cell with (I). (I) is useful for cleaving RNA of
CC ERG gene, by contacting (I) with RNA, in the presence of a divalent
CC cation such as Mg2+. (I) is useful for diagnosis of conditions and
CC diseases related to the expression of ERG, and as diagnostic tool to
CC examine genetic drift and mutations within diseased cells or to detect
CC the presence of ERG RNA in a cell. (I) is useful for specifically
CC targeting genes that share homology with ERG gene or ERG fusion genes.
CC ABK17354-ABK22719 represent nucleic acids, including antisense and
CC enzymatic nucleic acid molecules which regulate expression of ERG, and
CC related PCR primers of the invention
XX
SQ Sequence 17 BP; 3 A; 3 C; 6 G; 0 T; 5 U; 0 Other;

Query Match 9.8%; Score 12.8; DB 1; Length 17;
Best Local Similarity 62.5%; Pred. No. 1.8e+02;
Matches 10; Conservative 4; Mismatches 2; Indels 0; Gaps 0;

QY 1415 GATGACCAGTCGTTCT 1430
Db || ||| ||| : ||| :
1 GAGGACCAGUCGUUGU 16

RESULT 64
ACC53240/c
ID ACC53240 standard; DNA; 17 BP.
XX
AC ACC53240;
XX
DT 27-JUN-2003 (first entry)
XX
DE Human tumour suppressor sequence #2007.
XX
KW ss; tumour suppressor; antitumour; cytostatic; tumour suppression;
KW tumour regression; apoptosis; virus resistance; diagnosis;
KW cellular degeneration.
XX
OS Homo sapiens.
XX
PN FR2826373-A1.
XX
PD 27-DEC-2002.
XX
PF 20-JUN-2001; 2001FR-00008139.
XX
PR 20-JUN-2001; 2001FR-00008139.
XX
PA (MOLE-) MOLECULAR ENGINES LAB SA.
XX
PI Tuijnder M, Telerman A, Anson R;
XX WPI; 2003-250498/25.
DR
PT New nucleic acid sequences associated with tumor suppression, regression,
PT apoptosis or virus resistance are useful to diagnose and treat viral
PT disease, development of tumor cells and cell degeneration.
XX
PS Claim 1; Page 503; 798pp; French.
XX
CC This sequence represents an isolated nucleic acid sequence associated
CC with tumour suppression or regression, apoptosis or virus resistance. The
CC invention relates to these sequences or sequences having at least 80%
CC identity to them, and polypeptides encoded by the sequences or
CC polypeptides having 80% identity to the polypeptide sequences. The
CC invention is used to diagnose or treat viral disease or disease

CC characterized by development of tumour cells or cellular degeneration
XX
SQ Sequence 17 BP; 4 A; 3 C; 3 G; 7 T; 0 U; 0 Other;
Query Match 9.8%; Score 12.8; DB 1; Length 17;
Best Local Similarity 87.5%; Pred. No. 1.8e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
QY 1357 AAATATTCACGCATC 1372
|||||
Db 16 AAATATTCACAGGATC 1
RESULT 65
ABT38708/c
ID ABT38708 standard; DNA; 17 BP.
XX
AC ABT38708;
XX
DT 12-JUN-2003 (first entry)
XX
DE Tumour suppression related human fukutin oligo SEQ ID No 4345.
XX
KW Cytostatic; virucide; neuroprotective; nootropic; neuroleptic; gene chip;
KW antisense; sense; tumour; cell degeneration; cancer; Alzheimer's disease;
KW schizophrenia; protein chip; gene therapy; tumour suppression;
KW human fukutin; ds.
XX
OS Homo sapiens.
XX
PN WO2003025175-A2.
XX
PD 27-MAR-2003.
XX
PF 17-SEP-2002; 2002WO-IB004208.
XX
PR 17-SEP-2001; 2001FR-00011978.
XX
PA (MOLE-) MOLECULAR ENGINES LAB.
XX
PI Telerman A, Amson R, Tuijnder M;
XX
DR WPI; 2003-313353/30.
XX
PT New isolated nucleic acid, useful for treating viral diseases associated
PT with tumors and cell degeneration, also related polypeptides, antibodies
PT and transfected cells.
XX
PS Disclosure; Page 542; 720pp; French.
XX
CC The invention relates to a novel isolated 17 mer nucleic acid sequence,
CC given in the specification, a sequence containing at least 15 consecutive
CC nucleotides from the 17 mer sequence, a sequence with, after optimal
CC alignment, at least 80 % identity to the 17 mer sequence, a sequence that
CC hybridizes to them under highly stringent conditions, or the complement
CC of any of them, or the corresponding RNA. The novel isolated nucleic
CC acids of the invention are useful as probes and primers for detecting,
CC identifying, quantifying and/or amplifying a nucleic acid, e.g. as one
CC component of a gene chip, in vitro as (anti)sense reagents, and for
CC production of recombinant polypeptides. Any of the nucleic acids,
CC polypeptides, vectors containing the nucleic acids, cells containing the
CC vector or antibodies directed against the polypeptides are useful for
CC preparation of pharmaceuticals for prevention and/or treatment of viral
CC diseases that are characterised by development of tumours or cell
CC degeneration, specifically cancer but also Alzheimer's disease and
CC schizophrenia. Analysis of the expression of the 17 mer nucleic acids in
CC patient samples is useful for diagnosis and/or prognosis of these
CC diseases. The polypeptides can also be used to generate antibodies, and
CC both the polypeptide and antibodies are useful as components of protein
CC chips. The nucleic acid sequences of the invention can be used in gene
CC therapy. This polynucleotide sequence represents a tumour suppression
CC related human fukutin oligonucleotide of the invention
XX

SQ Sequence 17 BP; 4 A; 3 C; 3 G; 7 T; 0 U; 0 Other;
Query Match 9.8%; Score 12.8; DB 1; Length 17;
Best Local Similarity 87.5%; Pred. No. 1.8e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
QY 1438 CATATACATGGAAGAT 1453
|||||
Db 17 CATATACAGTGAAGAT 2
RESULT 66
ABT37232/c
ID ABT37232 standard; DNA; 17 BP.
XX
AC ABT37232;
XX
DT 12-JUN-2003 (first entry)
XX
DE Tumour suppression related human fukutin oligo SEQ ID No 2869.
XX
KW Cytostatic; virucide; neuroprotective; nootropic; neuroleptic; gene chip;
KW antisense; sense; tumour; cell degeneration; cancer; Alzheimer's disease;
KW schizophrenia; protein chip; gene therapy; tumour suppression;
KW human fukutin; ds.
XX
OS Homo sapiens.
XX
PN WO2003025175-A2.
XX
PD 27-MAR-2003.
XX
PF 17-SEP-2002; 2002WO-IB004208.
XX
PR 17-SEP-2001; 2001FR-00011978.
XX
PA (MOLE-) MOLECULAR ENGINES LAB.
XX
PI Telerman A, Amson R, Tuijnder M;
XX
DR WPI; 2003-313353/30.
XX
PT New isolated nucleic acid, useful for treating viral diseases associated
PT with tumors and cell degeneration, also related polypeptides, antibodies
PT and transfected cells.
XX
PS Disclosure; Page 368; 720pp; French.
XX
CC The invention relates to a novel isolated 17 mer nucleic acid sequence,
CC given in the specification, a sequence containing at least 15 consecutive
CC nucleotides from the 17 mer sequence, a sequence with, after optimal
CC alignment, at least 80 % identity to the 17 mer sequence, a sequence that
CC hybridizes to them under highly stringent conditions, or the complement
CC of any of them, or the corresponding RNA. The novel isolated nucleic
CC acids of the invention are useful as probes and primers for detecting,
CC identifying, quantifying and/or amplifying a nucleic acid, e.g. as one
CC component of a gene chip, in vitro as (anti)sense reagents, and for
CC production of recombinant polypeptides. Any of the nucleic acids,
CC polypeptides, vectors containing the nucleic acids, cells containing the
CC vector or antibodies directed against the polypeptides are useful for
CC preparation of pharmaceuticals for prevention and/or treatment of viral
CC diseases that are characterised by development of tumours or cell
CC degeneration, specifically cancer but also Alzheimer's disease and
CC schizophrenia. Analysis of the expression of the 17 mer nucleic acids in
CC patient samples is useful for diagnosis and/or prognosis of these
CC diseases. The polypeptides can also be used to generate antibodies, and
CC both the polypeptide and antibodies are useful as components of protein
CC chips. The nucleic acid sequences of the invention can be used in gene
CC therapy. This polynucleotide sequence represents a tumour suppression
CC related human fukutin oligonucleotide of the invention
XX
SQ Sequence 17 BP; 4 A; 4 C; 1 G; 8 T; 0 U; 0 Other;

Query Match 9.8%; Score 12.8; DB 1; Length 17;
Best Local Similarity 87.5%; Pred. No. 1.8e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1396 AGGAGGTAATAATTGTT 1411
||||| ||||||| |
Db 17 AGGAGATAAAATTGAT 2

RESULT 67
ABT37359/c
ID ABT37359 standard; DNA; 17 BP.
XX
AC ABT37359;
XX
DT 12-JUN-2003 (first entry)
XX
DE Tumour suppression related human fukutin oligo SEQ ID No 2996.
XX
KW Cytostatic; virucide; neuroprotective; nootropic; neuroleptic; gene chip;
antisense; sense; tumour; cell degeneration; cancer; Alzheimer's disease;
schizophrenia; protein chip; gene therapy; tumour suppression;
human fukutin; ds.
XX
OS Homo sapiens.
XX
PN WO2003025175-A2.
XX
PD 27-MAR-2003.
XX
PF 17-SEP-2002; 2002WO-IB004208.
XX
PR 17-SEP-2001; 2001FR-00011978.
XX
PA (MOLE-) MOLECULAR ENGINES LAB.
XX
PI Telerman A, Amson R, Tuijnder M;
XX
DR MPI; 2003-313353/30.
XX
PT New isolated nucleic acid, useful for treating viral diseases associated
with tumors and cell degeneration, also related polypeptides, antibodies
and transfected cells.
XX
PS Disclosure; Page 383; 720pp; French.
XX
CC The invention relates to a novel isolated 17 mer nucleic acid sequence,
given in the specification, a sequence containing at least 15 consecutive
nucleotides from the 17 mer sequence, a sequence with, after optimal
alignment, at least 80 % identity to the 17 mer sequence, a sequence that
hybridizes to them under highly stringent conditions, or the complement
of any of them, or the corresponding RNA. The novel isolated nucleic
acids of the invention are useful as probes and primers for detecting,
identifying, quantifying and/or amplifying a nucleic acid, e.g. as one
component of a gene chip, in vitro as (anti)sense reagents, and for
production of recombinant polypeptides. Any of the nucleic acids,
polypeptides, vectors containing the nucleic acids, cells containing the
vector or antibodies directed against the polypeptides are useful for
preparation of pharmaceuticals for prevention and/or treatment of viral
diseases that are characterised by development of tumours or cell
degeneration, specifically cancer but also Alzheimer's disease and
schizophrenia. Analysis of the expression of the 17 mer nucleic acids in
patient samples is useful for diagnosis and/or prognosis of these
diseases. The polypeptides can also be used to generate antibodies, and
both the polypeptide and antibodies are useful as components of protein
chips. The nucleic acid sequences of the invention can be used in gene
therapy. This polynucleotide sequence represents a tumour suppression
related human fukutin oligonucleotide of the invention
XX
SQ Sequence 17 BP; 5 A; 2 C; 2 G; 8 T; 0 U; 0 Other;

Query Match 9.8%; Score 12.8; DB 1; Length 17;
Best Local Similarity 87.5%; Pred. No. 1.8e+02;

Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1402 TAAATTTGTTAATGAT 1417
||||| |||||||
Db 17 TAAATGCTAATGAT 2

RESULT 68
ACC66008
ID ACC66008 standard; DNA; 17 BP.
XX
AC ACC66008;
XX
DT 01-JUL-2003 (first entry)
XX
DE Murine oligonucleotide associated with tumour supression, SEQ ID 3255.
XX
KW Cytostatic; virucide; neuroprotective; nootropic; neuroleptic; murine;
tumour suppression; tumour reversion; apoptosis; virus resistance;
viral disease; tumour; cell degeneration; cancer; Alzheimer's disease;
schizophrenia; ss.
XX
OS Mus musculus.
XX
PN WO2003025176-A2.
XX
PD 27-MAR-2003.
XX
PF 17-SEP-2002; 2002WO-IB004210.
XX
PR 17-SEP-2001; 2001FR-00011979.
XX
PA (MOLE-) MOLECULAR ENGINES LAB.
XX
PI Telerman A, Amson R, Tuijnder M;
XX
DR WPI; 2003-333167/31.
XX
PT New isolated nucleic acid, useful for treating viral diseases associated
with tumors and cell degeneration, also related polypeptides, antibodies
and transfected cells.
XX
PS Disclosure; Page 411; 738pp; French.
XX
CC The present invention relates to murine oligonucleotides (ACC62754-
ACC68806), which are associated with tumour suppression, tumour
reversion, apoptosis and virus resistance. The oligonucleotides are
useful as (1) as probes and primers for detecting, identifying,
quantifying and/or amplifying nucleic acid, e.g. as one component of a
gene chip; in vitro as (anti)sense reagents; and (2) for production of a
recombinant polypeptides. The oligonucleotides are useful for preparation
of pharmaceuticals for prevention and/or treatment of viral diseases that
are characterised by development of tumours or cell degeneration,
specifically cancer but also Alzheimer's disease and schizophrenia
XX
SQ Sequence 17 BP; 7 A; 4 C; 4 G; 2 T; 0 U; 0 Other;

Query Match 9.8%; Score 12.8; DB 1; Length 17;
Best Local Similarity 87.5%; Pred. No. 1.8e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1459 GATCAAGCAAATAGGA 1474
||||| |||||||
Db 1 GATCAAGCCACTAGGA 16

RESULT 69
ACC64817
ID ACC64817 standard; DNA; 17 BP.
XX
AC ACC64817;
XX
DT 01-JUL-2003 (first entry)

XX DE Murine oligonucleotide associated with tumour suppression, SEQ ID 2064.
XX KW Cytostatic; virucide; neuroprotective; nootropic; neuroleptic; murine;
XX KW tumour suppression; tumour reversion; apoptosis; virus resistance;
XX KW viral disease; tumour; cell degeneration; cancer; Alzheimer's disease;
XX KW schizophrenia; ss.
XX OS Mus musculus.
XX PN WO2003025176-A2.
XX PD 27-MAR-2003.
XX PF 17-SEP-2002; 2002WO-IB004210.
XX PR 17-SEP-2001; 2001FR-00011979.
XX PA (MOLE-) MOLECULAR ENGINES LAB.
XX PI Telerman A, Amson R, Tuijnder M;
XX DR WPI; 2003-333167/31.
XX PT New isolated nucleic acid, useful for treating viral diseases associated
PT with tumors and cell degeneration, also related polypeptides, antibodies
PT and transfected cells.
XX PS Disclosure; Page 272; 738pp; French.
XX CC The present invention relates to murine oligonucleotides (ACC62754-
CC ACC68806), which are associated with tumour suppression, tumour
CC reversion, apoptosis and virus resistance. The oligonucleotides are
CC useful as (1) as probes and primers for detecting, identifying,
CC quantifying and/or amplifying nucleic acid, e.g. as one component of a
CC gene chip; in vitro as (anti)sense reagents; and (2) for production of
CC recombinant polypeptides. The oligonucleotides are useful for preparation
CC of pharmaceuticals for prevention and/or treatment of viral diseases that
CC are characterised by development of tumours or cell degeneration,
CC specifically cancer but also Alzheimer's disease and schizophrenia
XX SQ Sequence 17 BP; 6 A; 1 C; 5 G; 5 T; 0 U; 0 Other;

Query Match 9.8%; Score 12.8; DB 1; Length 17;
Best Local Similarity 87.5%; Pred. No. 1.8e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1390 GATCAAAGGAGGTAAA 1405
Db 1 GATCTAAGGAGGTATA 16

RESULT 70
ADB42628/c
ID ADB42628 standard; DNA; 17 BP.
XX AC ADB42628;
XX DT 18-DEC-2003 (revised)
DT 04-DEC-2003 (first entry)
XX Tumour suppression/reversion associated nucleotide #2951.
DE cytostatic; antiviral; neuroprotective; nootropic; neuroleptic; ss;
XX primer; probe; tumour suppression; tumour reversion; apoptosis;
KW virus resistance; transgenic animals; Alzheimer's disease; schizophrenia;
KW diagnosis.
XX OS Homo sapiens.
XX PN WO2003040369-A2.
XX PD 15-MAY-2003.

XX PF 17-SEP-2002; 2002WO-IB004219.
XX PR 17-SEP-2001; 2001FR-00011981.
XX PA (MOLE-) MOLECULAR ENGINES LAB.
XX PI Telerman A, Amson R, Tuijnder M;
XX DR WPI; 2003-441574/41.
XX PT New nucleic acid encoding human prostate membrane-specific antigen,
PT useful e.g. for treatment of tumors and viral infection, also related
PT polypeptide and antibodies.
XX PS Disclosure; Page 377; 771pp; French.
XX CC The invention relates to the isolation of 6327 nucleotide sequences,
CC fragments of at least 15 consecutive nucleotides of these nucleotides, a
CC sequence having at least 80% identity, after optimal alignment, with the
CC nucleotides, a sequence that hybridizes under stringent conditions with
CC the nucleotides, or the complement, or corresponding RNA, of the
CC nucleotides. The nucleotides are used as probes or primers for detecting,
CC identifying, quantifying and/or amplifying nucleic acids, as in vitro
CC sense and antisense sequences, of nucleotides involved in tumour
CC suppression or reversion, apoptosis and or viral resistance, to produce
CC recombinant polypeptides, and to prepare transgenic animals, as
CC experimental models. The nucleotides (also vectors containing them and
CC cells containing the vectors), the encoded polypeptides and antibodies
CC (Ab) against the polypeptide are useful for prevention and/or treatment
CC of viral infections or diseases characterized by development of tumours
CC or cell degeneration (e.g. Alzheimer's disease or schizophrenia).
CC Analysis of the expression of the nucleotides can be used for diagnosis
CC and/or prognosis of these diseases. The nucleotides and polypeptides can
CC also be used to screen for their specific interactive molecules,
CC potentially useful for treating diseases associated with abnormal
CC expression of the nucleotides.
XX SQ Sequence 17 BP; 3 A; 6 C; 1 G; 7 T; 0 U; 0 Other;

Query Match 9.8%; Score 12.8; DB 1; Length 17;
Best Local Similarity 87.5%; Pred. No. 1.8e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1447 GGAAGATGGGTGATC 1462
Db 16 GGAAATGGGTAGATC 1

RESULT 71
ADB42519
ID ADB42519 standard; DNA; 17 BP.
XX AC ADB42519;
XX DT 18-DEC-2003 (revised)
DT 04-DEC-2003 (first entry)
XX Tumour suppression/reversion associated nucleotide #2842.
DE cytostatic; antiviral; neuroprotective; nootropic; neuroleptic; ss;
XX primer; probe; tumour suppression; tumour reversion; apoptosis;
KW virus resistance; transgenic animals; Alzheimer's disease; schizophrenia;
KW diagnosis.
XX OS Homo sapiens.
XX PN WO2003040369-A2.
XX PD 15-MAY-2003.
XX PF 17-SEP-2002; 2002WO-IB004219.
XX


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PR 17-SEP-2001; 2001FR-00011981.
XX
XX (MOLE-) MOLECULAR ENGINES LAB.
XX
PI Telerman A, Anson R, Tuijnder M;
XX
XX WPI; 2003-441574/41.
XX
XX New nucleic acid encoding human prostate membrane-specific antigen,
PT useful e.g. for treatment of tumors and viral infection, also related
PT polypeptide and antibodies.
XX
PS Disclosure; Page 364; 771pp; French.
XX
XX The invention relates to the isolation of 6327 nucleotide sequences,
CC fragments of at least 15 consecutive nucleotides of these nucleotides, a
CC sequence having at least 80% identity, after optimal alignment, with the
CC nucleotides, a sequence that hybridizes under stringent conditions with
CC the nucleotides, or the complement, or corresponding RNA, of the
CC nucleotides. The nucleotides are used as probes or primers for detecting,
CC identifying, quantifying and/or amplifying nucleic acids, as in vitro
CC sense and antisense sequences, of nucleotides involved in tumour
CC suppression or reversion, apoptosis and or viral resistance, to produce
CC recombinant polypeptides, and to prepare transgenic animals, as
CC experimental models. The nucleotides (also vectors containing them and
CC cells containing the vectors), the encoded polypeptides and antibodies
CC (Ab) against the polypeptide are useful for prevention and/or treatment
CC of viral infections or diseases characterized by development of tumours
CC or cell degeneration (e.g. Alzheimer's disease or schizophrenia).
CC Analysis of the expression of the nucleotides can be used for diagnosis
CC and/or prognosis of these diseases. The nucleotides and polypeptides can
CC also be used to screen for their specific interactive molecules,
CC potentially useful for treating diseases associated with abnormal
CC expression of the nucleotides.
XX
SQ Sequence 17 BP; 6 A; 2 C; 5 G; 4 T; 0 U; 0 Other;

Query Match 9.8%; Score 12.8; DB 1; Length 17;
Best Local Similarity 87.5%; Pred. No. 1.8e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1459 GATCAAGCAAAATAGGA 1474
Db ||||| ||| |||||
1 GATCATGCAGATAGGA 16

RESULT 72
ADB42671/c
ID ADB42671 standard; DNA; 17 BP.
XX
XX ADB42671;
XX
XX 18-DEC-2003 (revised)
DT 04-DEC-2003 (first entry)
XX
XX Tumour suppression/reversion associated nucleotide #2994.
XX
XX cytostatic; antiviral; neuroprotective; nootropic; neuroleptic; ss;
KW primer; probe; tumour suppression; tumour reversion; apoptosis;
KW virus resistance; transgenic animals; Alzheimer's disease; schizophrenia;
KW diagnosis.
XX
XX Homo sapiens.
OS
XX WO2003040369-A2.
PN
XX 15-MAY-2003.
PD
XX 17-SEP-2002; 2002WO-IB004219.
XX
XX 17-SEP-2001; 2001FR-00011981.
PR (MOLE-) MOLECULAR ENGINES LAB.
XX
XX Telerman A, Anson R, Tuijnder M;
XX
XX WPI; 2003-441574/41.
XX
XX New nucleic acid encoding human prostate membrane-specific antigen,
PT useful e.g. for treatment of tumors and viral infection, also related
PT polypeptide and antibodies.
XX
PS Disclosure; Page 364; 771pp; French.
XX
XX The invention relates to the isolation of 6327 nucleotide sequences,
CC fragments of at least 15 consecutive nucleotides of these nucleotides, a
CC sequence having at least 80% identity, after optimal alignment, with the
CC nucleotides, a sequence that hybridizes under stringent conditions with
CC the nucleotides, or the complement, or corresponding RNA, of the
CC nucleotides. The nucleotides are used as probes or primers for detecting,
CC identifying, quantifying and/or amplifying nucleic acids, as in vitro
CC sense and antisense sequences, of nucleotides involved in tumour
CC suppression or reversion, apoptosis and or viral resistance, to produce
CC recombinant polypeptides, and to prepare transgenic animals, as
CC experimental models. The nucleotides (also vectors containing them and
CC cells containing the vectors), the encoded polypeptides and antibodies
CC (Ab) against the polypeptide are useful for prevention and/or treatment
CC of viral infections or diseases characterized by development of tumours
CC or cell degeneration (e.g. Alzheimer's disease or schizophrenia).
CC Analysis of the expression of the nucleotides can be used for diagnosis
CC and/or prognosis of these diseases. The nucleotides and polypeptides can
CC also be used to screen for their specific interactive molecules,
CC potentially useful for treating diseases associated with abnormal
CC expression of the nucleotides.
XX
SQ Sequence 17 BP; 6 A; 2 C; 5 G; 4 T; 0 U; 0 Other;

Query Match 9.8%; Score 12.8; DB 1; Length 17;
Best Local Similarity 87.5%; Pred. No. 1.8e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1459 GATCAAGCAAAATAGGA 1474
Db ||||| ||| |||||
1 GATCATGCAGATAGGA 16

RESULT 72
ADB42671/c
ID ADB42671 standard; DNA; 17 BP.
XX
XX ADB42671;
XX
XX 18-DEC-2003 (revised)
DT 04-DEC-2003 (first entry)
XX
XX Tumour suppression/reversion associated nucleotide #2994.
XX
XX cytostatic; antiviral; neuroprotective; nootropic; neuroleptic; ss;
KW primer; probe; tumour suppression; tumour reversion; apoptosis;
KW virus resistance; transgenic animals; Alzheimer's disease; schizophrenia;
KW diagnosis.
XX
XX Homo sapiens.
OS
XX WO2003040369-A2.
PN
XX 15-MAY-2003.
PD
XX 17-SEP-2002; 2002WO-IB004219.
XX
XX 17-SEP-2001; 2001FR-00011981.
PR (MOLE-) MOLECULAR ENGINES LAB.
XX
XX Telerman A, Anson R, Tuijnder M;
XX
XX WPI; 2003-441574/41.
XX
XX New nucleic acid encoding human prostate membrane-specific antigen,
PT useful e.g. for treatment of tumors and viral infection, also related
PT polypeptide and antibodies.
XX
PS Disclosure; Page 382; 771pp; French.
XX
XX The invention relates to the isolation of 6327 nucleotide sequences,
CC fragments of at least 15 consecutive nucleotides of these nucleotides, a
CC sequence having at least 80% identity, after optimal alignment, with the
CC nucleotides, a sequence that hybridizes under stringent conditions with
CC the nucleotides, or the complement, or corresponding RNA, of the
CC nucleotides. The nucleotides are used as probes or primers for detecting,
CC identifying, quantifying and/or amplifying nucleic acids, as in vitro
CC sense and antisense sequences, of nucleotides involved in tumour
CC suppression or reversion, apoptosis and or viral resistance, to produce
CC recombinant polypeptides, and to prepare transgenic animals, as
CC experimental models. The nucleotides (also vectors containing them and
CC cells containing the vectors), the encoded polypeptides and antibodies
CC (Ab) against the polypeptide are useful for prevention and/or treatment
CC of viral infections or diseases characterized by development of tumours
CC or cell degeneration (e.g. Alzheimer's disease or schizophrenia).
CC Analysis of the expression of the nucleotides can be used for diagnosis
CC and/or prognosis of these diseases. The nucleotides and polypeptides can
CC also be used to screen for their specific interactive molecules,
CC potentially useful for treating diseases associated with abnormal
CC expression of the nucleotides.
XX
SQ Sequence 17 BP; 7 A; 3 C; 1 G; 6 T; 0 U; 0 Other;

Query Match 9.8%; Score 12.8; DB 1; Length 17;
Best Local Similarity 87.5%; Pred. No. 1.8e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1402 TAAAAATTGTTAATGAT 1417
Db ||||| ||| |||||
17 TAAATTTGTGAATGAT 2

RESULT 73
AAX09878
ID AAX09878 standard; DNA; 18 BP.
XX
XX AAX09878;
XX
XX 24-MAR-1999 (first entry)
DT
XX
XX Human biallelic polymorphic marker downstream primer #184.
XX
XX Polymorphism; biallelic; human; forensic; paternity testing; disease;
KW detection; phenotypic typing; characteristic; infection; hereditary;
KW autoimmune disease; cancer; inflammation; drug; therapy; medicament;
KW treatment; marker; primer; ss.
XX
XX Synthetic.
OS
XX Homo sapiens.
OS
XX WO9820165-A2.
PN
XX 14-MAY-1998.
PD
XX 05-NOV-1997; 97WO-US020313.
XX
XX 06-NOV-1996; 96US-0030455P.
PR (WHED ) WHITEHEAD INST BIOMEDICAL RES.
XX
XX Lander ES, Wang D, Hudson T;
PI
XX
```


DR WPI; 1998-286974/25.

XX New isolated nucleic acid segments from the human genome - used for

PT determining polymorphic forms for use in e.g. forensics, paternity

PT testing or phenotypic typing for disease.

XX Claim 16; Page 68; 310pp; English.

PS AAX09121-X10268 are allele-specific oligonucleotide primers used in the

XX isolation of various biallelic polymorphic markers found in the human

CC genome (represented in AAX10269-X12937). These primers can be used in a

CC method for determining polymorphic forms in an individual for use in e.g.

CC forensics, paternity testing or for phenotypic typing for diseases such

CC as agammaglobulinemia, diabetes insipidus, Lesch-Nyhan syndrome, muscular

CC dystrophy, Wiskott-Aldrich syndrome, Fabry's disease, familial

CC hypercholesterolemia, polycystic kidney disease, hereditary

CC spherocytosis, von Willebrand's disease, tuberous sclerosis, hereditary

CC haemorrhagic telangiectasia, familial colonic polyposis, Ehlers-Danlos

CC syndrome, osteogenesis imperfecta, acute intermittent porphyria,

CC autoimmune diseases, inflammation, cancer, diseases of the nervous

CC system, infection by pathogenic microorganisms, and characteristics such

CC as longevity, appearance (e.g. baldness, obesity), strength, speed,

CC endurance, fertility, and susceptibility or receptivity to particular

CC drugs or therapeutic treatments. The isolated polymorphic nucleic acid

CC segments can also be used to produce medicaments for the treatment or

CC prophylaxis of such diseases

XX

SQ Sequence 18 BP; 5 A; 4 C; 5 G; 4 T; 0 U; 0 Other;

Query Match 9.8%; Score 12.8; DB 1; Length 18;

Best Local Similarity 87.5%; Pred. No. 2e+02;

Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1452 ATGGGTTGATCAAGCA 1467

DB ||||||| ||| |||||

3 ATGGGTTAATCCAGCA 18

RESULT 74

ACA60978

ID ACA60978 standard; DNA; 18 BP.

XX ACA60978;

AC

XX 04-JUL-2003 (first entry)

DT

XX Firefly luciferase PCR primer #1.

DE

XX Plant propagation; plant sexual reproduction; transgenic plant;

KW tobacco pollen protein; NTP303; cis-acting element;

KW translation regulation; tobacco; ntp303 gene; 5'UTR; untranslated region;

KW firefly; luciferase; luc+; PCR; primer; ss.

XX

XX Photinus pyralis.

OS

XX WO2003031613-A2.

PN

XX 17-APR-2003.

PD

XX 04-OCT-2002; 2002WO-NL000638.

PF

XX 05-OCT-2001; 2001EP-00203772.

XX 05-OCT-2001; 2001US-0327003P.

PR

XX 19-APR-2002; 2002EP-00076593.

XX

PA (UYN1-) UNIV NIJMEGEN.

XX

XX Van Herpen MWA, Hulzink JMR, Croes AF;

PI

XX WPI; 2003-381716/36.

DR

XX Expressing a heterologous protein of interest in a double haploid

PT homozygous transgenic Nicotiana tabacum plant silenced for Ntp303, useful

PT for propagating, reproducing and harvesting of the transgenic plant.

XX

PS Disclosure; Page 24; 48pp; English.

XX

CC The invention describes a method of expressing a protein of interest in a

CC plant. The method comprises providing a nucleic acid construct having a

CC sequence that is at least 34 % identical to a 173 base pair sequence,

CC given in the specification, operably linked to a second sequence encoding

CC a polypeptide of interest, contacting a plant with the construct, and

CC subjecting the plant to express polypeptide, and optionally recovering

CC the polypeptide. The method is useful for regulating translation of a

CC second nucleotide sequence encoding a protein or polypeptide of interest,

CC the second nucleotide sequence operably linked to the first nucleotide

CC sequence. The methods and compositions can be used in the propagation,

CC sexual reproduction and harvesting of transgenic N. tabacum plant. This

CC sequence represents a primer used to isolate firefly luciferase (luc+)

CC for use as a reporter gene used to determine what cis-acting elements in

CC the 5'UTR of the nicotiana tabacum ntp303 gene are responsible for

CC translation regulation of the gene

XX

SQ Sequence 18 BP; 6 A; 5 C; 4 G; 3 T; 0 U; 0 Other;

Query Match 9.8%; Score 12.8; DB 1; Length 18;

Best Local Similarity 87.5%; Pred. No. 2e+02;

Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1439 ATATACATGGAAGATG 1454

DB ||||| ||||||| ||

1 ATATCCATGGAAGACG 16

RESULT 75

AAX31573

ID AAX31573 standard; DNA; 15 BP.

XX

XX AAX31573;

AC

XX 21-MAY-1999 (first entry)

DT

XX Tag sequence of a transcript increased in pancreatic cancer.

DE

XX Tag sequence; colorectal cancer; pancreatic cancer; colon cancer;

KW diagnosis; prognosis; treatment; ss.

KW

XX Homo sapiens.

OS

XX WO9853319-A2.

PN

XX 26-NOV-1998.

PD

XX 20-MAY-1998; 98WO-US010277.

PF

XX 21-MAY-1997; 97US-0047352P.

PR

XX (UYJO) UNIV JOHNS HOPKINS.

PA

XX Vogelstein B, Kinzler KW;

PI

XX WPI; 1999-070161/06.

DR

XX Use of isolated gene transcripts - useful for developing products for the

PT diagnosis, prognosis and treatment of cancers, particularly colon and

PT pancreatic cancer.

XX

PS Claim 13; Page 62; 120pp; English.

XX

CC AAX30947-31815 represent tag sequences of transcripts that are

CC differentially expressed in colorectal cancer, in pancreatic cancer, or

CC in both. The tag sequences can be used to identify genes by matching the

CC tag to a gen data base member, or by using the tag sequences as probes to

CC isolate unidentified genes from cDNA libraries. The tag sequences can

CC also be used in a method for diagnosing colon or pancreatic cancer in a

CC sample suspected of being neoplastic. The method comprises comparing the

CC level of at least one transcript in a first sample of a tissue to a
CC second sample, where the first sample is a colonic tissue suspected of
CC being neoplastic and the second sample is a normal human colonic tissue.
CC The transcript is identified by a tag selected from AAX30947-31815. The
CC methods of the invention can be used in the diagnosis, prognosis and
CC treatment of cancer
XX
SQ Sequence 15 BP; 4 A; 1 C; 6 G; 4 T; 0 U; 0 Other;

Query Match 9.5%; Score 12.4; DB 1; Length 15;
Best Local Similarity 92.9%; Pred. No. 1.8e+02;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1444 CATGGAAGATGGGT 1457
Db 1 CATGGAAGATGTGT 14

RESULT 76
ABK32527
ID ABK32527 standard; DNA; 15 BP.
XX
AC ABK32527;
XX
DT 23-APR-2002 (first entry)
XX
DE Human pancreatic cancer SAGE tag #79.
XX
KW Human; colon cancer; colorectal cancer; pancreatic cancer; SAGE tag;
KW serial analysis of gene expression; diagnostic; prognostic; probe;
KW cancer marker; ss.
XX
OS Homo sapiens.
XX
PN US6333152-B1.
XX
PD 25-DEC-2001.
XX
PF 20-MAY-1998; 98US-00081646.
XX
PR 20-MAY-1998; 98US-00081646.
XX
PA (UYJO) UNIV JOHNS HOPKINS.
XX
PI Vogelstein B, Kinzler KW, Zhang L, Zhou W;
XX
DR WPI; 2002-153821/20.
XX
SQ New human nucleic acid containing specific SAGE tags, useful as
PT diagnostic markers for cancer, also derived probes.
PT
XX
PS Disclosure; Col 72; 161pp; English.
XX
CC The invention relates to an isolated, purified human nucleic acid (I)
CC that has the same sequence as a mRNA found in humans and is a SAGE
CC (serial analysis of gene expression) tag comprising a single stranded
CC probe containing at least 10 consecutive nucleotides. SAGE tags, are
CC diagnostic and prognostic markers of cancer, especially of the colon and
CC pancreas. ABK31900-ABK32770 represent human colon and pancreatic cancer
CC SAGE tags of the invention
XX
SQ Sequence 15 BP; 4 A; 1 C; 6 G; 4 T; 0 U; 0 Other;

Query Match 9.5%; Score 12.4; DB 1; Length 15;
Best Local Similarity 92.9%; Pred. No. 1.8e+02;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1444 CATGGAAGATGGGT 1457
Db 1 CATGGAAGATGTGT 14

RESULT 77

AAV95372
ID AAV95372 standard; RNA; 17 BP.
XX
AC AAV95372;
XX
DT 24-FEB-1999 (first entry)
XX
DE Human c-fos target sequence nucleotide position 1048.
XX
KW Human; c-fos; hammerhead ribozyme; hairpin ribozyme; target site; cancer;
KW oncogene; leukaemia; neuroblastoma; diagnosis; genetic drift; mutation;
KW diseased cell; ss.
XX
OS Homo sapiens.
XX
PN WO9832846-A2.
XX
PD 30-JUL-1998.
XX
PF 20-JAN-1998; 98WO-US001017.
XX
PR 23-JAN-1997; 97US-0037658P.
PR 24-DEC-1997; 97US-00998099.
XX
PA (RIBO-) RIBOZYME PHARM INC.
XX
PI Jarvis T, Mcswiggen JA, Stinchcomb DT;
XX
DR WPI; 1998-427942/36.
XX
PT Enzymatic nucleic acid molecules which specifically cleave RNA derived
PT from a c-fos gene - useful for treating conditions related to levels of c
PT -fos, especially cancer.
XX
PS Claim 2; Page 51; 72pp; English.
XX
CC The present invention describes an enzymatic nucleic acid molecule which
CC specifically cleaves RNA derived from a c-fos gene. AAV95401 to AAV95540
CC and AAV95541 to AAV95584 represent hammerhead ribozymes and hairpin
CC ribozymes, respectively, which specifically cleave human c-fos. AAV95261
CC to AAV95400 and AAV95585 to AAV95628 represent human c-fos target
CC sequences. The enzymatic nucleic acid molecules can be used for treating
CC cancer associated with elevated levels of c-fos oncogene, especially
CC leukaemias, neuroblastomas and lung, breast and colon cancers. The
CC ribozymes may also be used as diagnostic tools to examine genetic drift
CC and mutations within diseased cells, or to detect the presence of c-fos
CC RNA in a cell
XX
SQ Sequence 17 BP; 2 A; 4 C; 5 G; 0 T; 6 U; 0 Other;

Query Match 9.5%; Score 12.4; DB 1; Length 17;
Best Local Similarity 57.1%; Pred. No. 2.2e+02;
Matches 8; Conservative 5; Mismatches 1; Indels 0; Gaps 0;

Qy 1423 GTCGTTCTATGCAG 1436
Db 4 GUCCUUCUAUGCAG 17

RESULT 78
AAV95373
ID AAV95373 standard; RNA; 17 BP.
XX
AC AAV95373;
XX
DT 24-FEB-1999 (first entry)
XX
DE Human c-fos target sequence nucleotide position 1049.
XX
KW Human; c-fos; hammerhead ribozyme; hairpin ribozyme; target site; cancer;
KW oncogene; leukaemia; neuroblastoma; diagnosis; genetic drift; mutation;
KW diseased cell; ss.
XX

OS Homo sapiens.
XX
PN WO9832846-A2.
XX
PD 30-JUL-1998.
XX
PF 20-JAN-1998; 98WO-US001017.
XX
PR 23-JAN-1997; 97US-0037658P.
PR 24-DEC-1997; 97US-00998099.
XX
PA (RIBO-) RIBOZYME PHARM INC.
XX
PI Jarvis T, Mcswiggen JA, Stinchcomb DT;
XX
DR WPI; 1998-427942/36.
XX
PT Enzymatic nucleic acid molecules which specifically cleave RNA derived
PT from a c-fos gene - useful for treating conditions related to levels of c
PT -fos, especially cancer.
XX
PS Claim 2; Page 51; 72pp; English.
XX
CC The present invention describes an enzymatic nucleic acid molecule which
CC specifically cleaves RNA derived from a c-fos gene. AAV95401 to AAV95540
CC and AAV95541 to AAV95584 represent hammerhead ribozymes and hairpin
CC ribozymes, respectively, which specifically cleave human c-fos. AAV95261
CC to AAV95400 and AAV95585 to AAV95628 represent human c-fos target
CC sequences. The enzymatic nucleic acid molecules can be used for treating
CC cancer associated with elevated levels of c-fos oncogene, especially
CC leukaemias, neuroblastomas and lung, breast and colon cancers. The
CC ribozymes may also be used as diagnostic tools to examine genetic drift
CC and mutations within diseased cells, or to detect the presence of c-fos
CC RNA in a cell
XX
SQ Sequence 17 BP; 2 A; 5 C; 5 G; 0 T; 5 U; 0 Other;

Query Match 9.5%; Score 12.4; DB 1; Length 17;
Best Local Similarity 57.1%; Pred. No. 2.2e+02;
Matches 8; Conservative 5; Mismatches 1; Indels 0; Gaps 0;

QY 1423 GTCGTTCTATG CAG 1436
|:|::|:|
Db 3 GUCCUUCUAUGCAG 16

RESULT 79
AAV95374
ID AAV95374 standard; RNA; 17 BP.
XX
AC AAV95374;
XX
DT 24-FEB-1999 (first entry)
XX
DE Human c-fos target sequence nucleotide position 1051.
XX
KW Human; c-fos; hammerhead ribozyme; hairpin ribozyme; target site; cancer;
KW oncogene; leukaemia; neuroblastoma; diagnosis; genetic drift; mutation;
KW diseased cell; ss.
XX
OS Homo sapiens.
XX
PN WO9832846-A2.
XX
PD 30-JUL-1998.
XX
PF 20-JAN-1998; 98WO-US001017.
XX
PR 23-JAN-1997; 97US-0037658P.
PR 24-DEC-1997; 97US-00998099.
XX
PA (RIBO-) RIBOZYME PHARM INC.
XX

PI Jarvis T, Mcswiggen JA, Stinchcomb DT;
XX
DR WPI; 1998-427942/36.
XX
PT Enzymatic nucleic acid molecules which specifically cleave RNA derived
PT from a c-fos gene - useful for treating conditions related to levels of c
PT -fos, especially cancer.
XX
PS Claim 2; Page 51; 72pp; English.
XX
CC The present invention describes an enzymatic nucleic acid molecule which
CC specifically cleaves RNA derived from a c-fos gene. AAV95401 to AAV95540
CC and AAV95541 to AAV95584 represent hammerhead ribozymes and hairpin
CC ribozymes, respectively, which specifically cleave human c-fos. AAV95261
CC to AAV95400 and AAV95585 to AAV95628 represent human c-fos target
CC sequences. The enzymatic nucleic acid molecules can be used for treating
CC cancer associated with elevated levels of c-fos oncogene, especially
CC leukaemias, neuroblastomas and lung, breast and colon cancers. The
CC ribozymes may also be used as diagnostic tools to examine genetic drift
CC and mutations within diseased cells, or to detect the presence of c-fos
CC RNA in a cell
XX
SQ Sequence 17 BP; 3 A; 5 C; 4 G; 0 T; 5 U; 0 Other;

Query Match 9.5%; Score 12.4; DB 1; Length 17;
Best Local Similarity 57.1%; Pred. No. 2.2e+02;
Matches 8; Conservative 5; Mismatches 1; Indels 0; Gaps 0;

QY 1423 GTCGTTCTATG CAG 1436
|:|::|:|
Db 1 GUCCUUCUAUGCAG 14

RESULT 80
AAF03011
ID AAF03011 standard; DNA; 17 BP.
XX
AC AAF03011;
XX
DT 16-FEB-2001 (first entry)
XX
DE Hammerhead ribozyme substrate #1306.
XX
KW Ribozyme; erythropoietin; granulocyte colony stimulating factor;
KW interferon alpha; ss.
XX
OS Homo sapiens.
XX
PN WO200061729-A2.
XX
PD 19-OCT-2000.
XX
PF 11-APR-2000; 2000WO-US009721.
XX
PR 12-APR-1999; 99US-0129390P.
XX
PA (RIBO-) RIBOZYME PHARM INC.
XX
PI Blatt L, Zwick M, Pavco P, Mcswiggen J;
XX
DR WPI; 2000-647423/62.
XX
PT Enzymatic and antisense nucleic acid inhibition of repressor genes,
PT useful for producing e.g. granulocyte colony stimulating factor protein,
PT interferon alpha and erythropoietin.
XX
PS Claim 37; Page 85; 164pp; English.
XX
CC The present invention relates to enzymatic and antisense nucleic acid
CC molecules that act as inhibitors of the expression of repressor genes
CC encoding the TR2 Orphan receptor, EAR3/COUP-TF-1, the GATA transcription
CC factor gene, IRF-2 and/or the CAAAT Displacement Protein (CDP).
CC Inhibition of the repressors removes prevents inhibition (and

CC consequently increases expression of) genes involved in the production of
CC erythropoietin, granulocyte colony stimulating factor protein and
CC interferon alpha

SQ Sequence 17 BP; 3 A; 4 C; 3 G; 7 T; 0 U; 0 Other;

Query Match 9.5%; Score 12.4; DB 1; Length 17;

Best Local Similarity 92.9%; Pred. No. 2.2e+02;

Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1382 CGTCTTCTGATCAA 1395

Db 4 CTTCTTCTGATCAA 17

RESULT 81

AAF04292

ID AAF04292 standard; DNA; 17 BP.

XX AAF04292;

DT 16-FEB-2001 (first entry)

DE Hammerhead ribozyme substrate #1808.

KW Ribozyme; erythropoietin; granulocyte colony stimulating factor;
KW interferon alpha; ss.

OS Homo sapiens.

PN WO200061729-A2.

PD 19-OCT-2000.

PF 11-APR-2000; 2000WO-US009721.

PR 12-APR-1999; 99US-0129390P.

PA (RIBO-) RIBOZYME PHARM INC.

PI Blatt L, Zwick M, Pavco P, Mcswiggen J;

DR WPI; 2000-647423/62.

PT Enzymatic and antisense nucleic acid inhibition of repressor genes,
PT useful for producing e.g. granulocyte colony stimulating factor protein,
PT interferon alpha and erythropoietin.

PS Claim 4; Page 97; 164pp; English.

CC The present invention relates to enzymatic and antisense nucleic acid
CC molecules that act as inhibitors of the expression of repressor genes
CC encoding the TR2 Orphan receptor, EAR3/COUP-TF-1, the GATA transcription
CC factor gene, IRF-2 and/or the CAAT Displacement Protein (CDP).
CC Inhibition of the repressors removes prevents inhibition (and
CC consequently increases expression of) genes involved in the production of
CC erythropoietin, granulocyte colony stimulating factor protein and
CC interferon alpha

SQ Sequence 17 BP; 8 A; 4 C; 1 G; 4 T; 0 U; 0 Other;

Query Match

Best Local Similarity 9.5%; Score 12.4; DB 1; Length 17;

Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1353 AGAAAAATATTTCCA 1366

Db 1 AGAAAAATCTTCCA 14

RESULT 82

AAF04740

ID AAF04740 standard; DNA; 17 BP.

XX AAF04740;
AC 16-FEB-2001 (first entry)
DT Hammerhead ribozyme substrate #2256.
DE Ribozyme; erythropoietin; granulocyte colony stimulating factor;
KW interferon alpha; ss.
XX Homo sapiens.
OS WO200061729-A2.
PN 19-OCT-2000.
PD 11-APR-2000; 2000WO-US009721.
PF 12-APR-1999; 99US-0129390P.
PR (RIBO-) RIBOZYME PHARM INC.
PA Blatt L, Zwick M, Pavco P, Mcswiggen J;
PI WPI; 2000-647423/62.
DR Enzymatic and antisense nucleic acid inhibition of repressor genes,
XX useful for producing e.g. granulocyte colony stimulating factor protein,
XX interferon alpha and erythropoietin.

PS Claim 4; Page 107; 164pp; English.

CC The present invention relates to enzymatic and antisense nucleic acid
CC molecules that act as inhibitors of the expression of repressor genes
CC encoding the TR2 Orphan receptor, EAR3/COUP-TF-1, the GATA transcription
CC factor gene, IRF-2 and/or the CAAT Displacement Protein (CDP).
CC Inhibition of the repressors removes prevents inhibition (and
CC consequently increases expression of) genes involved in the production of
CC erythropoietin, granulocyte colony stimulating factor protein and
CC interferon alpha

SQ Sequence 17 BP; 8 A; 4 C; 1 G; 4 T; 0 U; 0 Other;

Query Match

Best Local Similarity 9.5%; Score 12.4; DB 1; Length 17;

Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1353 AGAAAAATATTTCCA 1366

Db 1 AGAAAAATCTTCCA 14

RESULT 83

AAF03012

ID AAF03012 standard; DNA; 17 BP.

XX AAF03012;

DT 16-FEB-2001 (first entry)

DE Hammerhead ribozyme substrate #1307.

KW Ribozyme; erythropoietin; granulocyte colony stimulating factor;
KW interferon alpha; ss.

OS Homo sapiens.

PN WO200061729-A2.

PD 19-OCT-2000.

PF 11-APR-2000; 2000WO-US009721.


```
PR 12-APR-1999; 99US-0129390P.
XX (RIBO-) RIBOZYME PHARM INC.
PA
XX Blatt L, Zwick M, Pavco P, Mcswiggen J;
PI WPI; 2000-647423/62.
XX
DR Enzymatic and antisense nucleic acid inhibition of repressor genes,
PT useful for producing e.g. granulocyte colony stimulating factor protein,
PT interferon alpha and erythropoietin.
XX
XX Claim 37; Page 85; 164pp; English.
XX
CC The present invention relates to enzymatic and antisense nucleic acid
CC molecules that act as inhibitors of the expression of repressor genes
CC encoding the TR2 Orphan receptor, EAR3/COUP-TF-1, the GATA transcription
CC factor gene, IRF-2 and/or the CAAT Displacement Protein (CDP).
CC Inhibition of the repressors removes prevents inhibition (and
CC consequently increases expression of) genes involved in the production of
CC erythropoietin, granulocyte colony stimulating factor protein and
CC interferon alpha
XX
SQ Sequence 17 BP; 3 A; 4 C; 2 G; 8 T; 0 U; 0 Other;
Query Match 9.5%; Score 12.4; DB 1; Length 17;
Best Local Similarity 92.9%; Pred. No. 2.2e+02;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1382 CGTCTTCTGATCAA 1395
Db | ||||| |||||
3 CTTCTTCTGATCAA 16
RESULT 84
ABV79888/c
ID ABV79888 standard; DNA; 17 BP.
XX
AC ABV79888;
XX
DT 03-JAN-2003 (first entry)
XX
DE Human HTPL scanning oligonucleotide SEQ ID 1134.
XX
KW Human; gene therapy; tumour suppressor; HTPL; chromosome 10p12.1;
KW human testis expressed Patched like protein; testis; adrenal; liver;
KW male germ cell development; bone marrow; brain; kidney; lung; placenta;
KW prostate; skeletal muscle; colon; male infertility; cancer; ss.
XX
OS Homo sapiens.
XX
PN EP1229046-A2.
XX
PD 07-AUG-2002.
XX
PF 28-JAN-2002; 2002EP-00001167.
XX
PR 30-JAN-2001; 2001WO-US0000663.
PR 30-JAN-2001; 2001WO-US0000664.
PR 30-JAN-2001; 2001WO-US0000665.
PR 30-JAN-2001; 2001WO-US0000667.
PR 30-JAN-2001; 2001WO-US0000668.
PR 30-JAN-2001; 2001WO-US0000669.
PR 23-MAY-2001; 2001US-00864761.
PR 09-OCT-2001; 2001US-0327898P.
XX
XX (AEOM-) AEOMICA INC.
XX
PI Zhan J;
XX
XX WPI; 2002-676582/73.
XX
PT Novel isolated human testis expressed Patched like protein (HTPL), useful
for identifying agonist and antagonist and specific binding partners, and
for treating subjects having defects in HTPL.
Example 2; Page 212; 718pp; English.
The present invention relates to human testis expressed Patched like
protein (HTPL, see ABV78759 to ABV78762 and ABB98519 to ABB98520). HTPL
has two isoforms, with a few single base pair differences between the
two. One of the single base pair changes introduces a premature stop
codon in HTPL-S (S for short) compared to HTPL-L (L for long). HTPL
shares an overall structure organisation with the Patched protein. The
shared structural features strongly imply that HTPL plays a role similar
to that of Patched, and is a potential tumour suppressor. HTPL is
important in regulating male germ cell development, and the HTPL gene was
mapped to human chromosome 10p12.1. HTPL and its coding sequence are
useful for diagnosing a disorder caused by mutation in HTPL, and in
therapy and manufacture of a medicament for treatment or prevention of
such disorder associated with decreased expression or activity of human
HTPL. Such disorders include disorders of testis, or adrenal, adult and
foetal liver, bone marrow, brain, kidney, lung, placenta, prostate,
skeletal muscle or colon function. HTPL proteins and nucleic acids are
clinically useful diagnostic markers and potential therapeutic agents for
male infertility and cancer. The present oligonucleotide was used in an
example from the invention
Sequence 17 BP; 4 A; 3 C; 2 G; 8 T; 0 U; 0 Other;
Query Match 9.5%; Score 12.4; DB 1; Length 17;
Best Local Similarity 92.9%; Pred. No. 2.2e+02;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1457 TTGATCAACGCAAAAT 1470
Db ||||| ||||| |||||
14 TTGATCGAGCAAAAT 1
RESULT 85
ABV79887/c
ID ABV79887 standard; DNA; 17 BP.
XX
AC ABV79887;
XX
DT 03-JAN-2003 (first entry)
XX
DE Human HTPL scanning oligonucleotide SEQ ID 1133.
XX
KW Human; gene therapy; tumour suppressor; HTPL; chromosome 10p12.1;
KW human testis expressed Patched like protein; testis; adrenal; liver;
KW male germ cell development; bone marrow; brain; kidney; lung; placenta;
KW prostate; skeletal muscle; colon; male infertility; cancer; ss.
XX
OS Homo sapiens.
XX
PN EP1229046-A2.
XX
PD 07-AUG-2002.
XX
PF 28-JAN-2002; 2002EP-00001167.
XX
PR 30-JAN-2001; 2001WO-US0000663.
PR 30-JAN-2001; 2001WO-US0000664.
PR 30-JAN-2001; 2001WO-US0000665.
PR 30-JAN-2001; 2001WO-US0000667.
PR 30-JAN-2001; 2001WO-US0000668.
PR 30-JAN-2001; 2001WO-US0000669.
PR 23-MAY-2001; 2001US-00864761.
PR 09-OCT-2001; 2001US-0327898P.
XX
XX (AEOM-) AEOMICA INC.
XX
PI Zhan J;
XX
XX WPI; 2002-676582/73.
XX
PT Novel isolated human testis expressed Patched like protein (HTPL), useful
for identifying agonist and antagonist and specific binding partners, and
for treating subjects having defects in HTPL.
Example 2; Page 212; 718pp; English.
The present invention relates to human testis expressed Patched like
protein (HTPL, see ABV78759 to ABV78762 and ABB98519 to ABB98520). HTPL
has two isoforms, with a few single base pair differences between the
two. One of the single base pair changes introduces a premature stop
codon in HTPL-S (S for short) compared to HTPL-L (L for long). HTPL
shares an overall structure organisation with the Patched protein. The
shared structural features strongly imply that HTPL plays a role similar
to that of Patched, and is a potential tumour suppressor. HTPL is
important in regulating male germ cell development, and the HTPL gene was
mapped to human chromosome 10p12.1. HTPL and its coding sequence are
useful for diagnosing a disorder caused by mutation in HTPL, and in
therapy and manufacture of a medicament for treatment or prevention of
such disorder associated with decreased expression or activity of human
HTPL. Such disorders include disorders of testis, or adrenal, adult and
foetal liver, bone marrow, brain, kidney, lung, placenta, prostate,
skeletal muscle or colon function. HTPL proteins and nucleic acids are
clinically useful diagnostic markers and potential therapeutic agents for
male infertility and cancer. The present oligonucleotide was used in an
example from the invention
Sequence 17 BP; 4 A; 3 C; 2 G; 8 T; 0 U; 0 Other;
Query Match 9.5%; Score 12.4; DB 1; Length 17;
Best Local Similarity 92.9%; Pred. No. 2.2e+02;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1457 TTGATCAACGCAAAAT 1470
Db ||||| ||||| |||||
14 TTGATCGAGCAAAAT 1
```

XX Novel isolated human testis expressed Patched like protein (HTPL), useful
PT for identifying agonist and antagonist and specific binding partners, and
PT for treating subjects having defects in HTPL.
XX
PS Example 2; Page 212; 718pp; English.
XX
CC The present invention relates to human testis expressed Patched like
CC protein (HTPL, see ABV78759 to ABV78762 and ABB98519 to ABB98520). HTPL
CC has two isoforms, with a few single base pair differences between the
CC two. One of the single base pair changes introduces a premature stop
CC codon in HTPL-S (S for short) compared to HTPL-L (L for long). HTPL
CC shares an overall structure organisation with the Patched protein. The
CC shared structural features strongly imply that HTPL plays a role similar
CC to that of Patched, and is a potential tumour suppressor. HTPL is
CC important in regulating male germ cell development, and the HTPL gene was
CC mapped to human chromosome 10p12.1. HTPL and its coding sequence are
CC useful for diagnosing a disorder caused by mutation in HTPL, and in
CC therapy and manufacture of a medicament for treatment or prevention of
CC such disorder associated with decreased expression or activity of human
CC HTPL. Such disorders include disorders of testis, or adrenal, adult and
CC foetal liver, bone marrow, brain, kidney, lung, placenta, prostate,
CC skeletal muscle or colon function. HTPL proteins and nucleic acids are
CC clinically useful diagnostic markers and potential therapeutic agents for
CC male infertility and cancer. The present oligonucleotide was used in an
CC example from the invention
XX

SQ Sequence 17 BP; 4 A; 4 C; 2 G; 7 T; 0 U; 0 Other;

Query Match 9.5%; Score 12.4; DB 1; Length 17;
Best Local Similarity 92.9%; Pred. No. 2.2e+02;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1457 TTGATCAAGCAAAT 1470
Db 15 TTGATCGAGCAAAT 2

RESULT 86
ACD57592
ID ACD57592 standard; RNA; 17 BP.
XX
AC ACD57592;
XX
DT 23-SEP-2003 (first entry)
XX
DE HCV DNazyme substrate sequence #402.
XX

Nucleic acid molecule; Hepatitis C virus; HCV; Hepatitis B virus; HBV;
KW RNA stability; RNA expression; RNA synthesis; antisense;
KW enzymatic nucleic acid; hammerhead ribozyme; DNazyme; inozyme; zinzyme;
KW amberzyme; G-cleaver ribozyme; decoy molecule; aptamer;
KW HBV reverse transcriptase; Enhancer I region; viral replication;
KW degenerative; disease state; HBV infection; HCV infection; cirrhosis;
KW liver failure; hepatocellular carcinoma; hepatotropic; cytostatic;
KW virucide; antiinflammatory; substrate; ss.
XX
OS Hepatitis C virus.
XX
FN WO200281494-A1.
XX
PD 17-OCT-2002.
XX

26-MAR-2002; 2002WO-US009187.
XX
PR 26-MAR-2001; 2001US-00817879.
PR 08-JUN-2001; 2001US-00877478.
PR 08-JUN-2001; 2001US-0296876P.
PR 24-OCT-2001; 2001US-0335059P.
PR 05-DEC-2001; 2001US-0337055P.
XX
PA (RIBO-) RIBOZYME PHARM INC.
PA (BLAT/) BLATT L.

PA (MACE/) MACEJAK D.
PA (MCSW/) MCSWIGGEN J.
PA (MORR/) MORRISSEY D.
PA (PAVC/) PAVCO P.
PA (LEEP/) LEE P.
PA (DRAP/) DRAPER K.
PA (ROBE/) ROBERTS E.
XX
PI Blatt L, Macejak D, Mcswiggen J, Morrissey D, Pavco P, Lee P;
Draper K, Roberts E;
XX
DR WPI; 2003-229207/22.
XX

PT Novel compound useful for treating cirrhosis, liver failure,
PT hepatocellular carcinoma, or condition associated with hepatitis C virus
PT infection.

XX Claim 1; Page 241; 387pp; English.

XX The present invention relates to nucleic acid molecules which modulate
CC the synthesis, expression and/or stability of Hepatitis C virus (HCV) or
CC Hepatitis B virus (HBV) RNA. The nucleic acid molecules include antisense
CC and enzymatic nucleic acids such as hammerhead ribozymes, DNazymes,
CC inozymes, zinzymes, amberzymes, and G-cleaver ribozymes. Also disclosed
CC are nucleic acid decoy molecules and aptamers that bind to HBV reverse
CC transcriptase and/or HBV reverse transcriptase primer sequences, as well
CC as oligonucleotides that specifically bind the Enhancer I region of HBV
CC DNA. The nucleic acids may be used to modulate the expression of HBV
CC genes and HBV viral replication. Also disclosed is a method for screening
CC compounds and/or potential therapies directed against HBV, and compounds
CC that modulate the expression and/or replication of HCV. The compounds and
CC methods of the invention are useful for the treatment of degenerative and
CC disease states related to HBV and HCV infection, replication and gene
CC expression such as cirrhosis, liver failure, and hepatocellular
CC carcinoma. The present sequence represents a substrate for one of the HCV
CC DNazyme or minus strand DNazyme sequences disclosed in the present
CC invention
XX

SQ Sequence 17 BP; 5 A; 5 C; 2 G; 0 T; 5 U; 0 Other;

Query Match 9.5%; Score 12.4; DB 1; Length 17;
Best Local Similarity 64.3%; Pred. No. 2.2e+02;
Matches 9; Conservative 4; Mismatches 1; Indels 0; Gaps 0;

QY 1426 GTTCTATGCAGACA 1439
Db 4 GUUCUAUGCACACA 17

RESULT 87
ACD57593
ID ACD57593 standard; RNA; 17 BP.
XX
AC ACD57593;
XX
DT 03-OCT-2003 (first entry)
XX
DE HCV DNazyme substrate sequence #403.
XX

Nucleic acid molecule; Hepatitis C virus; HCV; Hepatitis B virus; HBV;
KW RNA stability; RNA expression; RNA synthesis; antisense;
KW enzymatic nucleic acid; hammerhead ribozyme; DNazyme; zinzyme;
KW amberzyme; G-cleaver ribozyme; decoy molecule; aptamer;
KW HBV reverse transcriptase; Enhancer I region; viral replication;
KW degenerative; disease state; HBV infection; HCV infection; cirrhosis;
KW liver failure; hepatocellular carcinoma; hepatotropic; cytostatic;
KW virucide; antiinflammatory; substrate; ss.
XX

OS Hepatitis C virus.
XX
FN WO200281494-A1.
XX
PD 17-OCT-2002.

```
XX PF 26-MAR-2002; 2002WO-US009187.
XX PR 26-MAR-2001; 2001US-00817879.
XX PR 08-JUN-2001; 2001US-00877478.
PR 08-JUN-2001; 2001US-0296876P.
PR 24-OCT-2001; 2001US-0335059P.
PR 05-DEC-2001; 2001US-0337055P.
XX PA (RIBO-) RIBOZYME PHARM INC.
PA (BLAT/) BLATT L.
PA (MACE/) MACEJAK D.
PA (MCSW/) MCSWIGGEN J.
PA (MORR/) MORRISSEY D.
PA (PAVC/) PAVCO P.
PA (LEEP/) LEE P.
PA (DRAP/) DRAPER K.
PA (ROBE/) ROBERTS E.
XX PI Blatt L, Macejak D, Mcswiggen J, Morrissey D, Pavco P, Lee P;
PI Draper K, Roberts E;
XX DR WPI; 2003-229207/22.
XX PT Novel compound useful for treating cirrhosis, liver failure,
PT hepatocellular carcinoma, or condition associated with hepatitis C virus
PT infection.
XX PS Claim 1; Page 241; 387pp; English.
XX CC The present invention relates to nucleic acid molecules which modulate
CC the synthesis, expression and/or stability of Hepatitis C virus (HCV) or
CC Hepatitis B virus (HBV) RNA. The nucleic acid molecules include antisense
CC and enzymatic nucleic acids such as hammerhead ribozymes, DNazymes,
CC inozymes, zinzymes, amberzymes, and G-cleaver ribozymes. Also disclosed
CC are nucleic acid decoy molecules and aptamers that bind to HBV reverse
CC transcriptase and/or HBV reverse transcriptase primer sequences, as well
CC as oligonucleotides that specifically bind the Enhancer I region of HBV
CC DNA. The nucleic acids may be used to modulate the expression of HBV
CC genes and HBV viral replication. Also disclosed is a method for screening
CC compounds and/or potential therapies directed against HBV, and compounds
CC that modulate the expression and/or replication of HCV. The compounds and
CC methods of the invention are useful for the treatment of degenerative and
CC disease states related to HBV and HCV infection, replication and gene
CC expression such as cirrhosis, liver failure, and hepatocellular
CC carcinoma. The present sequence represents a substrate for one of the HCV
CC DNazyme or minus strand DNazyme sequences disclosed in the present
CC invention
XX SQ Sequence 17 BP; 4 A; 4 C; 4 G; 0 T; 5 U; 0 Other;
Query Match 9.5%; Score 12.4; DB 1; Length 17;
Best Local Similarity 64.3%; Pred. No. 2.2e+02;
Matches 9; Conservative 4; Mismatches 1; Indels 0; Gaps 0;
QY 1426 GTTCTATGCAGACA 1439
Db 2 GUUCUAUGCACACA 15
RESULT 88
ACD65077/c
ID ACD65077 standard; RNA; 17 BP.
XX AC ACD65077;
XX DT 30-SEP-2003 (first entry)
XX DE HCV minus strand DNazyme substrate sequence #1876.
XX KW Nucleic acid molecule; Hepatitis C virus; HCV; Hepatitis B virus; HBV;
KW RNA stability; RNA expression; RNA synthesis; antisense;
KW enzymatic nucleic acid; hammerhead ribozyme; DNazyme; inozyme; zinzyme;
```

```
KW amberzyme; G-cleaver ribozyme; decoy molecule; aptamer;
KW HBV reverse transcriptase; Enhancer I region; viral replication;
KW degenerative; disease state; HBV infection; HCV infection; cirrhosis;
KW liver failure; hepatocellular carcinoma; hepatotropic; cytostatic;
KW virucide; antiinflammatory; substrate; ss.
XX OS Hepatitis C virus.
XX PN WO200281494-A1.
XX PD 17-OCT-2002.
XX PF 26-MAR-2002; 2002WO-US009187.
XX PR 26-MAR-2001; 2001US-00817879.
PR 08-JUN-2001; 2001US-00877478.
PR 08-JUN-2001; 2001US-0296876P.
PR 24-OCT-2001; 2001US-0335059P.
PR 05-DEC-2001; 2001US-0337055P.
XX PA (RIBO-) RIBOZYME PHARM INC.
PA (BLAT/) BLATT L.
PA (MACE/) MACEJAK D.
PA (MCSW/) MCSWIGGEN J.
PA (MORR/) MORRISSEY D.
PA (PAVC/) PAVCO P.
PA (LEEP/) LEE P.
PA (DRAP/) DRAPER K.
PA (ROBE/) ROBERTS E.
XX PI Blatt L, Macejak D, Mcswiggen J, Morrissey D, Pavco P, Lee P;
PI Draper K, Roberts E;
XX DR WPI; 2003-229207/22.
XX PT Novel compound useful for treating cirrhosis, liver failure,
PT hepatocellular carcinoma, or condition associated with hepatitis C virus
PT infection.
XX PS Claim 1; Page 308; 387pp; English.
XX CC The present invention relates to nucleic acid molecules which modulate
CC the synthesis, expression and/or stability of Hepatitis C virus (HCV) or
CC Hepatitis B virus (HBV) RNA. The nucleic acid molecules include antisense
CC and enzymatic nucleic acids such as hammerhead ribozymes, DNazymes,
CC inozymes, zinzymes, amberzymes, and G-cleaver ribozymes. Also disclosed
CC are nucleic acid decoy molecules and aptamers that bind to HBV reverse
CC transcriptase and/or HBV reverse transcriptase primer sequences, as well
CC as oligonucleotides that specifically bind the Enhancer I region of HBV
CC DNA. The nucleic acids may be used to modulate the expression of HBV
CC genes and HBV viral replication. Also disclosed is a method for screening
CC compounds and/or potential therapies directed against HBV, and compounds
CC that modulate the expression and/or replication of HCV. The compounds and
CC methods of the invention are useful for the treatment of degenerative and
CC disease states related to HBV and HCV infection, replication and gene
CC expression such as cirrhosis, liver failure, and hepatocellular
CC carcinoma. The present sequence represents a substrate for one of the HCV
CC DNazyme or minus strand DNazyme sequences disclosed in the present
CC invention
XX SQ Sequence 17 BP; 5 A; 3 C; 5 G; 0 T; 4 U; 0 Other;
Query Match 9.5%; Score 12.4; DB 1; Length 17;
Best Local Similarity 92.9%; Pred. No. 2.2e+02;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1426 GTTCTATGCAGACA 1439
Db 15 GTTCTATGCACACA 2
RESULT 89
ACD65076/c
```


ID ACD65076 standard; RNA; 17 BP.
XX ACD65076;
AC
XX 30-SEP-2003 (first entry)
DT
XX HCV minus strand DNazyme substrate sequence #1875.
DE
XX Nucleic acid molecule; Hepatitis C virus; HCV; Hepatitis B virus; HBV;
KW RNA stability; RNA expression; RNA synthesis; antisense;
KW enzymatic nucleic acid; hammerhead ribozyme; DNazyme; zinzyme;
KW amberzyme; G-cleaver ribozyme; decoy molecule; aptamer;
KW HBV reverse transcriptase; Enhancer I region; viral replication;
KW degenerative; disease state; HBV infection; HCV infection; cirrhosis;
KW liver failure; hepatocellular carcinoma; hepatotropic; cytostatic;
KW virucide; antiinflammatory; substrate; ss.
XX
OS Hepatitis C virus.
XX
PN WO200281494-A1.
XX
PD 17-OCT-2002.
XX
XX 26-MAR-2002; 2002WO-US009187.
PF
XX 26-MAR-2001; 2001US-00817879.
PR 08-JUN-2001; 2001US-00877478.
PR 08-JUN-2001; 2001US-0296876P.
PR 24-OCT-2001; 2001US-0335059P.
PR 05-DEC-2001; 2001US-0337055P.
XX
PA (RIBO-) RIBOZYME PHARM INC.
PA (BLAT/) BLATT L.
PA (MACE/) MACEJAK D.
PA (MCSW/) MCSWIGGEN J.
PA (MORR/) MORRISSEY D.
PA (PAVC/) PAVCO P.
PA (LEEP/) LEE P.
PA (DRAP/) DRAPER K.
PA (ROBE/) ROBERTS E.
XX
PI Blatt L, Macejak D, Mcswiggen J, Morrissey D, Pavco P, Lee P;
PI Draper K, Roberts E;
XX
DR WPI; 2003-229207/22.
XX
PT Novel compound useful for treating cirrhosis, liver failure,
PT hepatocellular carcinoma, or condition associated with hepatitis C virus
PT infection.
XX
PS Claim 1; Page 308; 387pp; English.
XX
CC The present invention relates to nucleic acid molecules which modulate
CC the synthesis, expression and/or stability of Hepatitis C virus (HCV) or
CC Hepatitis B virus (HBV) RNA. The nucleic acid molecules include antisense
CC and enzymatic nucleic acids such as hammerhead ribozymes, DNazymes,
CC inozymes, zinzymes, amberzymes, and G-cleaver ribozymes. Also disclosed
CC are nucleic acid decoy molecules and aptamers that bind to HBV reverse
CC transcriptase and/or HBV reverse transcriptase primer sequences, as well
CC as oligonucleotides that specifically bind the Enhancer I region of HBV
CC DNA. The nucleic acids may be used to modulate the expression of HBV
CC genes and HBV viral replication. Also disclosed is a method for screening
CC compounds and/or potential therapies directed against HBV, and compounds
CC that modulate the expression and/or replication of HCV. The compounds
CC methods of the invention are useful for the treatment of degenerative and
CC disease states related to HBV and HCV infection, replication and gene
CC expression such as cirrhosis, liver failure, and hepatocellular
CC carcinoma. The present sequence represents a substrate for one of the HCV
CC DNazyme or minus strand DNazyme sequences disclosed in the present
CC invention
XX
SQ Sequence 17 BP; 5 A; 4 C; 4 G; 0 T; 4 U; 0 Other;

Query Match 9.5%; Score 12.4; DB 1; Length 17;
Best Local Similarity 92.9%; Pred. No. 2.2e+02;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1426 GTTCTATGCAGACA 1439
DB 17 GTTCTATGCACACA 4
RESULT 90
ADB42391
ID ADB42391 standard; DNA; 17 BP.
XX
AC ADB42391;
XX 18-DEC-2003 (revised)
DT 04-DEC-2003 (first entry)
XX Tumour suppression/reversion associated nucleotide #2714.
XX
KW cytostatic; antiviral; neuroprotective; nootropic; neuroleptic; ss;
KW primer; probe; tumour suppression; tumour reversion; apoptosis;
KW virus resistance; transgenic animals; Alzheimer's disease; schizophrenia;
KW diagnosis.
XX
OS Homo sapiens.
XX
PN WO2003040369-A2.
XX
PD 15-MAY-2003.
XX
PF 17-SEP-2002; 2002WO-IB004219.
XX
PR 17-SEP-2001; 2001PR-00011981.
XX
PA (MOLE-) MOLECULAR ENGINES LAB.
XX
PI Telerman A, Anson R, Tuijnder M;
XX WPI; 2003-441574/41.
XX
PT New nucleic acid encoding human prostate membrane-specific antigen,
PT useful e.g. for treatment of tumors and viral infection, also related
PT polypeptide and antibodies.
XX
PS Disclosure; Page 349; 771pp; French.
XX
CC The invention relates to the isolation of 6327 nucleotide sequences,
CC fragments of at least 15 consecutive nucleotides of these nucleotides, a
CC sequence having at least 80% identity, after optimal alignment, with the
CC nucleotides, a sequence that hybridizes under stringent conditions with
CC the nucleotides, or the complement, or corresponding RNA, of the
CC nucleotides. The nucleotides are used as probes or primers for detecting,
CC identifying, quantifying and/or amplifying nucleic acids, as in vitro
CC sense and antisense sequences, of nucleotides involved in tumour
CC suppression or reversion, apoptosis and or viral resistance, to produce
CC recombinant polypeptides, and to prepare transgenic animals, as
CC experimental models. The nucleotides (also vectors containing them and
CC cells containing the vectors), the encoded polypeptides and antibodies
CC (Ab) against the polypeptide are useful for prevention and/or treatment
CC of viral infections or diseases characterized by development of tumours
CC or cell degeneration (e.g. Alzheimer's disease or schizophrenia).
CC Analysis of the expression of the nucleotides can be used for diagnosis
CC and/or prognosis of these diseases. The nucleotides and polypeptides can
CC also be used to screen for their specific interactive molecules,
CC potentially useful for treating diseases associated with abnormal
CC expression of the nucleotides.
XX
SQ Sequence 17 BP; 3 A; 5 C; 2 G; 7 T; 0 U; 0 Other;

Query Match 9.5%; Score 12.4; DB 1; Length 17;
Best Local Similarity 92.9%; Pred. No. 2.2e+02;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1379 GATCGTCTTCTGTAT 1392
|||||
Db 1 GATCCTCTTCTGTAT 14

RESULT 91
ADB41556/c
ID ADB41556 standard; DNA; 17 BP.
XX
AC ADB41556;
XX
DT 18-DEC-2003 (revised)
DT 04-DEC-2003 (first entry)
XX
DE Tumour suppression/reversion associated nucleotide #1879.
XX
KW cytostatic; antiviral; neuroprotective; nootropic; neuroleptic; ss;
KW primer; probe; tumour suppression; tumour reversion; apoptosis;
KW virus resistance; transgenic animals; Alzheimer's disease; schizophrenia;
KW diagnosis.
XX
OS Homo sapiens.
XX
PN WO2003040369-A2.
XX
PD 15-MAY-2003.
XX
PF 17-SEP-2002; 2002WO-IB004219.
XX
PR 17-SEP-2001; 2001FR-00011981.
XX
PA (MOLE-) MOLECULAR ENGINES LAB.
XX
PI Telerman A, Amson R, Tuijnder M;
XX WPI; 2003-441574/41.
XX
PT New nucleic acid encoding human prostate membrane-specific antigen,
PT useful e.g. for treatment of tumors and viral infection, also related
PT polypeptide and antibodies.
XX
PS Disclosure; Page 251; 771pp; French.
XX
CC The invention relates to the isolation of 6327 nucleotide sequences,
CC fragments of at least 15 consecutive nucleotides of these nucleotides, a
CC sequence having at least 80% identity, after optimal alignment, with the
CC nucleotides, a sequence that hybridizes under stringent conditions with
CC the nucleotides, or the complement, or corresponding RNA, of the
CC nucleotides. The nucleotides are used as probes or primers for detecting,
CC identifying, quantifying and/or amplifying nucleic acids, as in vitro
CC sense and antisense sequences, of nucleotides involved in tumour
CC suppression or reversion, apoptosis and or viral resistance, to produce
CC recombinant polypeptides, and to prepare transgenic animals, as
CC experimental models. The nucleotides (also vectors containing them and
CC cells containing the vectors), the encoded polypeptides and antibodies
CC (Ab) against the polypeptide are useful for prevention and/or treatment
CC of viral infections or diseases characterized by development of tumours
CC or cell degeneration (e.g. Alzheimer's disease or schizophrenia).
CC Analysis of the expression of the nucleotides can be used for diagnosis
CC and/or prognosis of these diseases. The nucleotides and polypeptides can
CC also be used to screen for their specific interactive molecules,
CC potentially useful for treating diseases associated with abnormal
CC expression of the nucleotides.
XX
SQ Sequence 17 BP; 3 A; 7 C; 3 G; 4 T; 0 U; 0 Other;
Query Match 9.5%; Score 12.4; DB 1; Length 17;
Best Local Similarity 92.9%; Pred. No. 2.2e+02;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1449 AAGATGGGTGATC 1462
|||||
Db 1 AAGATGGGTGATC 1

RESULT 92
AAX73104/c
ID AAX73104 standard; RNA; 17 BP.
XX
AC AAX73104;
XX
DT 28-JUL-1999 (first entry)
XX
DE Mouse flk-1 VEGF receptor hammerhead ribozyme substrate #537.
XX
KW Vascular endothelial growth factor receptor; VEGF receptor; flt-1; flk-1;
KW KDR; hammerhead ribozyme; hairpin ribozyme; cleavage;
KW tumour angiogenesis; psoriasis; rheumatoid arthritis; ocular disease;
KW fms-like tyrosine kinase 1; kinase insert domain containing receptor;
KW foetal liver kinase 1; ss.
XX
OS Mus sp.
XX
PN WO9715662-A2.
XX
PD 01-MAY-1997.
XX
PF 25-OCT-1996; 96WO-US017480.
XX
PR 26-OCT-1995; 95US-0005974P.
PR 11-JAN-1996; 96US-00584040.
XX
PA (RIBO-) RIBOZYME PHARM INC.
PA (CHIR) CHIRON CORP.
XX
PI Pavco P, Meswiggen J, Stinchcomb D, Escobedo J;
XX WPI; 1997-259017/23.
XX
PT Nucleic acid molecule modulating VEGF receptor(s) gene expression or mRNA
PT stability - useful for treating e.g. tumour angiogenesis, psoriasis,
PT rheumatoid arthritis, etc., in a human patient.
XX
PS Claim 4; Page 140; 218pp; English.
XX
CC The present invention describes nucleic acid molecules which modulate the
CC synthesis, expression and/or stability of a mRNA encoding 1 or more
CC receptors of vascular endothelial growth factor (VEGF). A patient
CC (preferably human) having a condition associated with the level of the
CC fms-like tyrosine kinase 1 (flt-1), kinase insert domain containing
CC receptor (KDR) and/or foetal liver kinase 1 (flk-1) (e.g. tumour
CC angiogenesis, ocular diseases, psoriasis and rheumatoid arthritis) can be
CC treated by administering the nucleic acid molecule or the expression
CC vector to the patient. AAX67275 to AAX75752 represent specific examples
CC of nucleic acid molecules from the present invention
XX
SQ Sequence 17 BP; 4 A; 3 C; 2 G; 0 T; 8 U; 0 Other;
Query Match 9.4%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 2.3e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1346 CAGGGGAAGAAAATAT 1362
|||
Db 17 CATGGAAGACAATAT 1

RESULT 93
AAX72807
ID AAX72807 standard; RNA; 17 BP.
XX
AC AAX72807;
XX
DT 28-JUL-1999 (first entry)
XX

DE Mouse flk-1 VEGF receptor hammerhead ribozyme substrate #240.
XX
KW Vascular endothelial growth factor receptor; VEGF receptor; flt-1; flk-1;
KW KDR; hammerhead ribozyme; hairpin ribozyme; cleavage;
KW tumour angiogenesis; psoriasis; rheumatoid arthritis; ocular disease;
KW fms-like tyrosine kinase 1; kinase insert domain containing receptor;
KW foetal liver kinase 1; ss.
XX
OS Mus sp.
XX
PN WO9715662-A2.
XX
PD 01-MAY-1997.
XX
XX 25-OCT-1996; 96WO-US017480.
XX
PR 26-OCT-1995; 95US-0005974P.
PR 11-JAN-1996; 96US-00584040.
XX
PA (RIBO-) RIBOZYME PHARM INC.
PA (CHIR) CHIRON CORP.
XX
PI Pavco P, Mcswiggen J, Stinchcomb D, Escobedo J;
XX
XX WPI; 1997-259017/23.
DR
XX Nucleic acid molecule modulating VEGF receptor(s) gene expression or mRNA
PT stability - useful for treating e.g. tumour angiogenesis, psoriasis,
PT rheumatoid arthritis, etc., in a human patient.
XX
PS Claim 4; Page 130; 218pp; English.
XX
CC The present invention describes nucleic acid molecules which modulate the
CC synthesis, expression and/or stability of a mRNA encoding 1 or more
CC receptors of vascular endothelial growth factor (VEGF). A patient
CC (preferably human) having a condition associated with the level of the
CC fms-like tyrosine kinase 1 (flt-1), kinase insert domain containing
CC receptor (KDR) and/or foetal liver kinase 1 (flk-1) (e.g. tumour
CC angiogenesis, ocular diseases, psoriasis and rheumatoid arthritis) can be
CC treated by administering the nucleic acid molecule or the expression
CC vector to the patient. AAX67275 to AAX75752 represent specific examples
CC of nucleic acid molecules from the present invention
XX
SQ Sequence 17 BP; 6 A; 4 C; 4 G; 0 T; 3 U; 0 Other;

Query Match 9.4%; Score 12.2; DB 1; Length 17;
Best Local Similarity 70.6%; Pred. No. 2.3e+02;
Matches 12; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

QY 1433 GCAGACATATACATGGA 1449
Db 1 GCAGACAUUGACAUGCA 17

RESULT 94
AAA22769
ID AAA22769 standard; RNA; 17 BP.
XX
AC AAA22769;
XX
DT 19-JUN-2000 (first entry)
XX
DE Integrin subunit beta 3 substrate sequence SEQ ID NO:5995.
XX
KW Human; aryl hydrocarbon nuclear transport; ARNT; TIE-2; angiogenesis;
KW integrin alpha 6 subunit; integrin subunit beta 3; hairpin ribozyme;
KW hammerhead ribozyme; angiogenic factor; cytostatic; antidiabetic;
KW ophthalmologic; antiinflammatory; antiarthritic; antipsoriatic; ARMD;
KW dermatological; RNA cleavage; cancer; diabetic retinopathy; arthritis;
KW age related macular degeneration; inflammation; neovascular glaucoma;
KW myopic degeneration; psoriasis; verruca vulgaris; angiofibroma;
KW tuberos sclerososis; pot-wine stain; Sturge Weber syndrome;
KW Kippel-Trenaunay-Weber syndrome; Osler-Weber-Rendu syndrome; ss.

XX Homo sapiens.
OS
XX WO9950403-A2.
PN
XX 07-OCT-1999.
PD
XX 24-MAR-1999; 99WO-US006507.
PF
XX 27-MAR-1998; 98US-0079678P.
PR
XX (RIBO-) RIBOZYME PHARM INC.
PA
PI Pavco PA, Roberts E, Jarvis T, Coeshott C, Mcswiggen JA;
XX
XX WPI; 1999-591315/50.
DR
XX Novel ribozymes for modulating the synthesis, expression and/or stability
PT of an mRNA encoding an angiogenic factors.
PT
XX Claim 54; Page 241; 305pp; English.
PS
XX The present invention describes enzymatic nucleic acid molecules with RNA
CC cleaving activity, which specifically cleave RNA encoded by an aryl
CC hydrocarbon nuclear transporter (ARNT) gene, an integrin subunit beta 3
CC gene, an integrin alpha 6 subunit gene, or a Tie-2 gene. AAA16775 to
CC AAA17167 and AAA17561 to AAA17622 represent ribozyme sequences for ARNT,
CC and AAA17168 to AAA17560 and AAA17623 to AAA17684 represent their
CC corresponding target sequences; AAA17685 to AAA18385 and AAA19087 to
CC AAA19154 represent ribozyme sequences for Tie-2, and AAA18386 to AAA19086
CC and AAA19155 to AAA19222 represent their corresponding target sequences;
CC AAA19223 to AAA20361 and AAA21501 to AAA21595 represent ribozyme
CC sequences for integrin alpha 6 subunit, and AAA20362 to AAA21500 and
CC AAA21596 to AAA21688 represent their corresponding target sequences;
CC AAA21689 to AAA22475 and AAA23263 to AAA23342 represent ribozyme sequence
CC for integrin subunit beta 3, and AAA22476 to AAA23262, AAA23343 to
CC AAA23422 represent their corresponding target sequences. The ribozymes of
CC the invention are used for modulating the synthesis, expression and/or
CC stability of an mRNA encoding angiogenic factor, especially ARNT,
CC integrin subunit beta-3, integrin subunit alpha-6, or Tie-2. They are
CC especially used to treat cancer, diabetic retinopathy, age related
CC macular degeneration (ARMD), inflammation, and arthritis, as well as
CC neovascular glaucoma, myopic degeneration, psoriasis, verruca vulgaris,
CC angiofibroma of tuberos sclerososis, pot-wine stains, Sturge Weber
CC syndrome, Kippel-Trenaunay-Weber syndrome, Osler-Weber-Rendu syndrome,
CC and other syndromes and diseases related to the levels of ARNT, Tie-2,
CC integrin subunit alpha-6, or integrin subunit beta-3
XX
SQ Sequence 17 BP; 6 A; 0 C; 5 G; 0 T; 6 U; 0 Other;

Query Match 9.4%; Score 12.2; DB 1; Length 17;
Best Local Similarity 58.8%; Pred. No. 2.3e+02;
Matches 10; Conservative 4; Mismatches 3; Indels 0; Gaps 0;

QY 1447 GGAAGATGGGTTGATCA 1463
Db 1 GGAAGAUUUGUGAUAA 17

RESULT 95
AAF06329
ID AAF06329 standard; DNA; 17 BP.
XX
AC AAF06329;
XX
DT 16-FEB-2001 (first entry)
XX
DE Hammerhead ribozyme substrate #3126.
XX
KW Ribozyme; erythropoietin; granulocyte colony stimulating factor;
KW interferon alpha; ss.
XX
OS Homo sapiens.

XX WO2000061729-A2.
PN
XX 19-OCT-2000.
PD
XX 11-APR-2000; 2000WO-US009721.
PF
XX 12-APR-1999; 99US-0129390P.
PR
XX (RIBO-) RIBOZYME PHARM INC.
PA
XX
PI Blatt L, Zwick M, Pavco P, Mcswiggen J;
XX
XX WPI; 2000-647423/62.
DR
XX Enzymatic and antisense nucleic acid inhibition of repressor genes,
PT useful for producing e.g. granulocyte colony stimulating factor protein,
PT interferon alpha and erythropoietin.
XX
PS Claim 42; Page 127; 164pp; English.
XX
CC The present invention relates to enzymatic and antisense nucleic acid
CC molecules that act as inhibitors of the expression of repressor genes
CC encoding the TR2 Orphan receptor, EAR3/COUP-TF-1, the GATA transcription
CC factor gene, IRF-2 and/or the CAATT Displacement Protein (CDP).
CC Inhibition of the repressors removes prevents inhibition (and
CC consequently increases expression of) genes involved in the production of
CC erythropoietin, granulocyte colony stimulating factor protein and
CC interferon alpha
XX
SQ Sequence 17 BP; 9 A; 1 C; 2 G; 0 T; 5 U; 0 Other;
XX
XX Query Match 9.4%; Score 12.2; DB 1; Length 17;
Best Local Similarity 52.9%; Pred. No. 2.3e+02;
Matches 9; Conservative 5; Mismatches 3; Indels 0; Gaps 0;
XX
QY 1400 GGTAAATTTGTTAATGA 1416
DB 1 GGUAAGAAUUCUAAUAA 17
XX
RESULT 96
AAF06086
ID AAF06086 standard; DNA; 17 BP.
XX
AC AAF06086;
XX
XX 16-FEB-2001 (first entry)
DT
XX
DE Hammerhead ribozyme substrate #2883.
XX
KW Ribozyme; erythropoietin; granulocyte colony stimulating factor;
KW interferon alpha; ss.
XX
OS Homo sapiens.
XX
XX WO2000061729-A2.
PN
XX 19-OCT-2000.
PD
XX
PF
XX
PR 11-APR-2000; 2000WO-US009721.
PF
XX
PR 12-APR-1999; 99US-0129390P.
PR
XX (RIBO-) RIBOZYME PHARM INC.
PA
XX
XX Blatt L, Zwick M, Pavco P, Mcswiggen J;
PI
XX
XX WPI; 2000-647423/62.
DR
XX Enzymatic and antisense nucleic acid inhibition of repressor genes,
PT useful for producing e.g. granulocyte colony stimulating factor protein,
PT interferon alpha and erythropoietin.
PT

XX Claim 42; Page 122; 164pp; English.
PS
XX
CC The present invention relates to enzymatic and antisense nucleic acid
CC molecules that act as inhibitors of the expression of repressor genes
CC encoding the TR2 Orphan receptor, EAR3/COUP-TF-1, the GATA transcription
CC factor gene, IRF-2 and/or the CAATT Displacement Protein (CDP).
CC Inhibition of the repressors removes prevents inhibition (and
CC consequently increases expression of) genes involved in the production of
CC erythropoietin, granulocyte colony stimulating factor protein and
CC interferon alpha
XX
SQ Sequence 17 BP; 5 A; 4 C; 3 G; 0 T; 5 U; 0 Other;
XX
XX Query Match 9.4%; Score 12.2; DB 1; Length 17;
Best Local Similarity 58.8%; Pred. No. 2.3e+02;
Matches 10; Conservative 4; Mismatches 3; Indels 0; Gaps 0;
XX
QY 1423 GTCGTTCTATGCAGACA 1439
DB 1 GUCUUCUUAUGCAGAAA 17
XX
RESULT 97
ABK03222/C
ID ABK03222 standard; RNA; 17 BP.
XX
AC ABK03222;
XX
XX 12-MAR-2002 (first entry)
DT
XX
XX Human CD20 Inozyme #173.
DE
XX
KW Human; ss; antisense therapy; cytostatic; antiinflammatory; haemostatic;
KW cerebroprotective; nootropic; neuroprotective; antiparkinsonian;
KW muscular; CD20; neurite growth inhibitor gene; NOGO; hammerhead ribozyme;
KW DNazyme; inozyme; G-cleaver; amberzyme; zinzyme; lymphoma; leukaemia;
KW B-cell lymphoma; non-Hodgkin's lymphoma; NHL; lymphocytic leukaemia;
KW human immunodeficiency virus; HIV associated NHL; mantle-cell lymphoma;
KW MCL; immunocytoma; IMC; immune thrombocytopaenia; stroke; dementia;
KW inflammatory arthropathy; central nervous system injury;
KW cerebrovascular accident; CVA; Alzheimer's disease; multiple sclerosis;
KW chemotherapy-induced neuropathy; amyotrophic lateral sclerosis; ALS;
KW Parkinson's disease; ataxia; Huntington's disease;
KW Creutzfeldt-Jakob disease; muscular dystrophy; neurodegenerative disease.
XX
OS Homo sapiens.
OS Synthetic.
XX
XX WO200159103-A2.
PN
XX
PD 16-AUG-2001.
XX
XX 09-FEB-2001; 2001WO-US004273.
PF
XX
PR 11-FEB-2000; 2000US-0181797P.
PR 28-FEB-2000; 2000US-0185516P.
PR 06-MAR-2000; 2000US-0187128P.
PR
XX (RIBO-) RIBOZYME PHARM INC.
PA (BLAT/) BLATT L.
PA (MCSW/) MCSWIGGEN J.
PA (CHOW/) CHOWRIRA B M.
XX
PI Blatt L, Mcswiggen J, Chowrira BM;
XX
XX WPI; 2001-607195/69.
DR
XX
XX Nucleic acid molecules, e.g., enzymatic nucleic acids and antisense
PT constructs, which down regulate expression of a CD20 gene or neurite
PT growth inhibitor gene useful for treating, e.g., lymphoma, leukemia, and
PT central nervous system injury.
PT
XX

PS Claim 30; Page 148; 200pp; English.

XX The invention relates to a nucleic acid molecule which down regulates

CC expression of a CD20 gene and a nucleic acid molecule which down

CC regulates expression of a neurite growth inhibitor gene (NOGO). The

CC nucleic acids may be enzymatic nucleic acids (e.g. a ribozyme or a

CC DNzyme) an Inozyme (an endolytic nucleic acid cleaving an RNA molecule

CC possessing an NCH motif), a G-cleaver (cleaving RNA with a NYN motif) or

CC an amberzyme (cleaving RNA with an NGN triplet), a zinzyme (cleaving RNA

CC with a YGY motif). The CD20-targetting nucleic acid is used to cleave RNA

CC of CD20 in the presence of a divalent cation that is preferably Mg²⁺.

CC Furthermore, it may be contacted with a cell to reduce CD20 activity of

CC the cell and treat a patient having a condition associated with the level

CC of CD20. The treatment may further comprise the use of one or more

CC therapies. In particular, the CD20 targetting nucleic acid may be used to

CC treat lymphoma, leukaemia, B-cell lymphoma, low-grade or follicular non-

CC Hodgkin's lymphoma (NHL), bulky low-grade or follicular NHL, mantle-cell

CC leukaemia (MCL), immunocytoma (IMC), small B-cell lymphocytic lymphoma,

CC immune thrombocytopaenia, and inflammatory arthropathy. The NOGO-

CC targetting nucleic acid is used to cleave RNA of the NOGO gene in the

CC presence of a divalent cation that is preferably Mg²⁺. Furthermore, the

CC nucleic acid may be contacted with a cell to reduce NOGO activity of the

CC cell and treat a patient having a condition associated with the level of

CC NOGO. The treatment may further comprise the use of one or more

CC therapies. In particular, the NOGO-targetting nucleic acid may be used to

CC treat central nervous system (CNS) injury and cerebrovascular accident

CC (CVA, stroke), Alzheimer's disease, dementia, multiple sclerosis (MS),

CC chemotherapy-induced neuropathy, amyotrophic lateral sclerosis (ALS),

CC Parkinson's disease, ataxia, Huntington's disease, Creutzfeldt-Jakob

CC disease, muscular dystrophy, and/or other neurodegenerative disease

CC states which respond to the modulation of NOGO expression. The present

CC sequence is an inozyme of the invention

XX

SQ Sequence 17 BP; 5 A; 5 C; 4 G; 0 T; 3 U; 0 Other;

Query Match 9.4%; Score 12.2; DB 1; Length 17;

Best Local Similarity 82.4%; Pred. No. 2.3e+02;

Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1384 TCCTCTGATCAAAGGAG 1400

Db 17 TCCTCTGCTGACAGGAG 1

RESULT 98

ID ABK01312/c

XX ABK01312 standard; RNA; 17 BP.

AC ABK01312;

XX

DT 12-MAR-2002 (first entry)

XX

DE Human NOGO Inozyme #582.

XX

KW Human; ss; antisense therapy; cytostatic; antiinflammatory; haemostatic;

KW cerebroprotective; nootropic; neuroprotective; antiparkinsonian;

KW muscular; CD20; neurite growth inhibitor gene; NOGO; hammerhead ribozyme;

KW DNzyme; inozyme; G-cleaver; amberzyme; zinzyme; lymphoma; leukaemia;

KW B-cell lymphoma; non-Hodgkin's lymphoma; NHL; lymphocytic leukaemia;

KW human immunodeficiency virus; HIV associated NHL; mantle-cell lymphoma;

KW MCL; immunocytoma; IMC; immune thrombocytopaenia; stroke; dementia;

KW inflammatory arthropathy; central nervous system injury;

KW cerebrovascular accident; CVA; Alzheimer's disease; multiple sclerosis;

KW chemotherapy-induced neuropathy; amyotrophic lateral sclerosis; ALS;

KW Parkinson's disease; ataxia; Huntington's disease;

KW Creutzfeldt-Jakob disease; muscular dystrophy; neurodegenerative disease.

XX

OS Homo sapiens.

OS Synthetic.

XX

PN WO200159103-A2.

XX

PD 16-AUG-2001.

XX

PF 09-FEB-2001; 2001WO-US004273.

XX

PR 11-FEB-2000; 2000US-0181797P.

PR 28-FEB-2000; 2000US-0185516P.

PR 06-MAR-2000; 2000US-0187128P.

XX

PA (RIBO-) RIBOZYME PHARM INC.

PA (BLAT/) BLATT L.

PA (MCSW/) MCSWIGGEN J.

PA (CHOW/) CHOWRIRA B M.

XX

PI Blatt L, Mcswiggen J, Chowrira BM;

XX WPI; 2001-607195/69.

DR

XX Nucleic acid molecules, e.g., enzymatic nucleic acids and antisense

PT constructs, which down regulate expression of a CD20 gene or neurite

PT growth inhibitor gene useful for treating, e.g., lymphoma, leukemia, and

PT central nervous system injury.

XX

PS Claim 88; Page 87; 200pp; English.

XX

CC The invention relates to a nucleic acid molecule which down regulates

CC expression of a CD20 gene and a nucleic acid molecule which down

CC regulates expression of a neurite growth inhibitor gene (NOGO). The

CC nucleic acids may be enzymatic nucleic acids (e.g. a ribozyme or a

CC DNzyme) an Inozyme (an endolytic nucleic acid cleaving an RNA molecule

CC possessing an NCH motif), a G-cleaver (cleaving RNA with a NYN motif) or

CC an amberzyme (cleaving RNA with an NGN triplet), a zinzyme (cleaving RNA

CC with a YGY motif). The CD20-targetting nucleic acid is used to cleave RNA

CC of CD20 in the presence of a divalent cation that is preferably Mg²⁺.

CC Furthermore, it may be contacted with a cell to reduce CD20 activity of

CC the cell and treat a patient having a condition associated with the level

CC of CD20. The treatment may further comprise the use of one or more

CC therapies. In particular, the CD20 targetting nucleic acid may be used to

CC treat lymphoma, leukaemia, B-cell lymphoma, low-grade or follicular non-

CC Hodgkin's lymphoma (NHL), bulky low-grade or follicular NHL, lymphocytic

CC leukaemia, HIV (human immunodeficiency virus) associated NHL, mantle-cell

CC lymphoma (MCL), immunocytoma (IMC), small B-cell lymphocytic lymphoma,

CC immune thrombocytopaenia, and inflammatory arthropathy. The NOGO-

CC targetting nucleic acid is used to cleave RNA of the NOGO gene in the

CC presence of a divalent cation that is preferably Mg²⁺. Furthermore, the

CC nucleic acid may be contacted with a cell to reduce NOGO activity of the

CC cell and treat a patient having a condition associated with the level of

CC NOGO. The treatment may further comprise the use of one or more

CC therapies. In particular, the NOGO-targetting nucleic acid may be used to

CC treat central nervous system (CNS) injury and cerebrovascular accident

CC (CVA, stroke), Alzheimer's disease, dementia, multiple sclerosis (MS),

CC chemotherapy-induced neuropathy, amyotrophic lateral sclerosis (ALS),

CC Parkinson's disease, ataxia, Huntington's disease, Creutzfeldt-Jakob

CC disease, muscular dystrophy, and/or other neurodegenerative disease

CC states which respond to the modulation of NOGO expression. The present

CC sequence is an inozyme of the invention

XX

SQ Sequence 17 BP; 4 A; 5 C; 2 G; 0 T; 6 U; 0 Other;

Query Match 9.4%; Score 12.2; DB 1; Length 17;

Best Local Similarity 82.4%; Pred. No. 2.3e+02;

Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1388 CTGATCAAAGGAGGTAA 1404

Db 17 CTGATCAATGTAGGAA 1

RESULT 99

ABK18533

ID ABK18533 standard; RNA; 17 BP.

XX

AC ABK18533;

XX


```
DT 09-APR-2002 (first entry)
XX Human ERG G-cleaver ribozyme target sequence Seq ID No 1180.
DE
XX
KW Human; hammerhead ribozyme; cytostatic; antitumour; antidiabetic;
KW ophthalmological; antiarthritic; antipsoriatic; virucide; osteopathic;
KW vulnarary; cancer; lymphoma; Ewing's sarcoma; melanoma; psoriasis;
KW tumour angiogenesis; diabetic retinopathy; macular degeneration;
KW neovascular glaucoma; myopic degeneration; arthritis; verruca vulgaris;
KW angiofibroma of tuberos sclerosis; port-wine stain; wound healing;
KW Sturge Weber syndrome; Kippel-Trenaunay-Weber syndrome; leukaemia; ss;
KW Osler-Weber-rendu syndrome; leukaemia; osteoporosis; DNazyme; inozyme;
KW amberzyme.
XX
OS Homo sapiens.
XX WO200188124-A2.
PN
XX
XX 22-NOV-2001.
PD
XX
XX 16-MAY-2001; 2001WO-US015866.
PF
XX
XX 16-MAY-2000; 2000US-00572021.
PR
XX
XX (RIBO-) RIBOZYME PHARM INC.
PA (GLAX ) GLAXO GROUP LTD.
PA
XX
XX Jarvis T, Von Carlowitz I, Mcswiggen JA, McLaughlin F, Randi AM;
PI WPI; 2002-082995/11.
XX
XX Novel polynucleotide which down regulates expression of Ets-related gene,
PT useful for treating cancer, diabetic retinopathy, macular degeneration,
PT arthritis, psoriasis, verruca vulgaris and Sturge Weber syndrome.
XX
XX Claim 4; Page 80; 149pp; English.
PS
XX The invention relates to a nucleic acid molecule (I) which down regulates
CC expression of an Ets-related gene (ERG). (I) is useful for treating
CC conditions selected from cancer, lymphoma, Ewing's sarcoma, melanoma,
CC tumour angiogenesis, diabetic retinopathy, macular degeneration,
CC neovascular glaucoma, myopic degeneration, arthritis, psoriasis, verruca
CC vulgaris, angiofibroma of tuberos sclerosis, port-wine stains, Sturge
CC Weber syndrome, Kippel-Trenaunay-Weber syndrome, Osler-Weber-rendu
CC treating a patient having a condition associated with the level of ERG,
CC by contacting cells of the patient with (I) under conditions suitable for
CC the treatment. The method comprises the use of one or more therapies
CC under conditions suitable for the treatment. Leukaemia or tumour
CC angiogenesis is treated by administering (I) to the patient in
CC conjunction with one or more of other therapies such as radiation or
CC chemotherapy treatment. (I) is useful for reducing ERG activity in a
CC cell, by contacting the cell with (I). (I) is useful for cleaving RNA of
CC ERG gene, by contacting (I) with RNA, in the presence of a divalent
CC cation such as Mg2+. (I) is useful for diagnosis of conditions and
CC diseases related to the expression of ERG, and as diagnostic tool to
CC examine genetic drift and mutations within diseased cells or to detect
CC the presence of ERG RNA in a cell. (I) is useful for specifically
CC targeting genes that share homology with ERG gene or ERG fusion genes.
CC ABK17354-ABK22719 represent nucleic acids, including antisense and
CC enzymatic nucleic acid molecules which regulate expression of ERG, and
CC related PCR primers of the invention
XX
SQ Sequence 17 BP; 4 A; 2 C; 7 G; 0 T; 4 U; 0 Other;
Query Match 9.4%; Score 12.2; DB 1; Length 17;
Best Local Similarity 58.8%; Pred. No. 2.3e+02;
Matches 10; Conservative 4; Mismatches 3; Indels 0; Gaps 0;
QY 1407 TTGTTAATGATGACCAG 1423
:::|:|:|
Db 1 UUGUGAGUGAGGACCAG 17
```

```
RESULT 100
ABK19156
ID ABK19156 standard; RNA; 17 BP.
XX
AC ABK19156;
XX
DT 09-APR-2002 (first entry)
XX Human ERG Amberzyme target sequence Seq ID No 1803.
DE
XX Human; hammerhead ribozyme; cytostatic; antitumour; antidiabetic;
KW ophthalmological; antiarthritic; antipsoriatic; virucide; osteopathic;
KW vulnarary; cancer; lymphoma; Ewing's sarcoma; melanoma; psoriasis;
KW tumour angiogenesis; diabetic retinopathy; macular degeneration;
KW neovascular glaucoma; myopic degeneration; arthritis; verruca vulgaris;
KW angiofibroma of tuberos sclerosis; port-wine stain; wound healing;
KW Sturge Weber syndrome; Kippel-Trenaunay-Weber syndrome; leukaemia; ss;
KW Osler-Weber-rendu syndrome; leukaemia; osteoporosis; DNazyme; inozyme;
KW amberzyme.
XX
OS Homo sapiens.
XX WO200188124-A2.
PN
XX
XX 22-NOV-2001.
PD
XX
XX 16-MAY-2001; 2001WO-US015866.
PF
XX
XX 16-MAY-2000; 2000US-00572021.
PR
XX
XX (RIBO-) RIBOZYME PHARM INC.
PA (GLAX ) GLAXO GROUP LTD.
PA
XX
XX Jarvis T, Von Carlowitz I, Mcswiggen JA, McLaughlin F, Randi AM;
PI WPI; 2002-082995/11.
XX
XX Novel polynucleotide which down regulates expression of Ets-related gene,
PT useful for treating cancer, diabetic retinopathy, macular degeneration,
PT arthritis, psoriasis, verruca vulgaris and Sturge Weber syndrome.
XX
XX Claim 4; Page 121; 149pp; English.
PS
XX The invention relates to a nucleic acid molecule (I) which down regulates
CC expression of an Ets-related gene (ERG). (I) is useful for treating
CC conditions selected from cancer, lymphoma, Ewing's sarcoma, melanoma,
CC tumour angiogenesis, diabetic retinopathy, macular degeneration,
CC neovascular glaucoma, myopic degeneration, arthritis, psoriasis, verruca
CC vulgaris, angiofibroma of tuberos sclerosis, port-wine stains, Sturge
CC Weber syndrome, Kippel-Trenaunay-Weber syndrome, Osler-Weber-rendu
CC syndrome, leukaemia, osteoporosis and wound healing. (I) is useful for
CC treating a patient having a condition associated with the level of ERG,
CC by contacting cells of the patient with (I) under conditions suitable for
CC the treatment. The method comprises the use of one or more therapies
CC under conditions suitable for the treatment. Leukaemia or tumour
CC angiogenesis is treated by administering (I) to the patient in
CC conjunction with one or more of other therapies such as radiation or
CC chemotherapy treatment. (I) is useful for reducing ERG activity in a
CC cell, by contacting the cell with (I). (I) is useful for cleaving RNA of
CC ERG gene, by contacting (I) with RNA, in the presence of a divalent
CC cation such as Mg2+. (I) is useful for diagnosis of conditions and
CC diseases related to the expression of ERG, and as diagnostic tool to
CC examine genetic drift and mutations within diseased cells or to detect
CC the presence of ERG RNA in a cell. (I) is useful for specifically
CC targeting genes that share homology with ERG gene or ERG fusion genes.
CC ABK17354-ABK22719 represent nucleic acids, including antisense and
CC enzymatic nucleic acid molecules which regulate expression of ERG, and
CC related PCR primers of the invention
XX
SQ Sequence 17 BP; 4 A; 3 C; 7 G; 0 T; 3 U; 0 Other;
Query Match 9.4%; Score 12.2; DB 1; Length 17;
```

Best Local Similarity 64.7%; Pred. No. 2.3e+02;
Matches 11; Conservative 3; Mismatches 3; Indels 0; Gaps 0;
QY 1410 TTAATGATGACCACTCG 1426
: | : || || || || : ||
Db 1 UGAGUGAGGACCAGUC 17

RESULT 101
ABK19155
ID ABK19155 standard; RNA; 17 BP.
XX
AC ABK19155;
XX
DT 09-APR-2002 (first entry)
XX
DE Human ERG Amberzyme target sequence Seq ID No 1802.

KW Human; hammerhead ribozyme; cytosstatic; antitumour; antidiabetic;
KW ophthalmological; antiarthritic; antipsoriatic; virucide; osteopathic;
KW vulnery; cancer; lymphoma; Ewing's sarcoma; melanoma; psoriasis;
KW tumour angiogenesis; diabetic retinopathy; macular degeneration;
KW neovascular glaucoma; myopic degeneration; arthritis; verruca vulgaris;
KW angiofibroma of tuberous sclerosis; port-wine stain; wound healing;
KW Sturge Weber syndrome; Kippel-Trenaunay-Weber syndrome; leukaemia; ss;
KW Osler-Weber-rendu syndrome, leukaemia; osteoporosis; DNazyme; inozyme;
KW amberzyme.

XX Homo sapiens.
OS
XX WO200188124-A2.
PN
XX 22-NOV-2001.
PD
XX 16-MAY-2001; 2001WO-US015866.
PF
XX 16-MAY-2000; 2000US-00572021.
PR
XX (RIBO-) RIBOZYME PHARM INC.
PA (GLAX) GLAXO GROUP LTD.
PA
XX

PI Jarvis T, Von Carlowitz I, Mcswiggen JA, Mclaughlin F, Randi AM;
XX WPI; 2002-082995/11.

XX Novel polynucleotide which down regulates expression of Ets-related genes,
PT useful for treating cancer, diabetic retinopathy, macular degeneration,
PT arthritis, psoriasis, verruca vulgaris and Sturge Weber syndrome.

PS Claim 4; Page 121; 149pp; English.

XX The invention relates to a nucleic acid molecule (I) which down regulates
CC expression of an Ets-related gene (ERG). (I) is useful for treating
CC conditions selected from cancer, lymphoma, Ewing's sarcoma, melanoma,
CC tumour angiogenesis, diabetic retinopathy, macular degeneration,
CC neovascular glaucoma, myopic degeneration, arthritis, psoriasis, verruca
CC vulgaris, angiofibroma of tuberous sclerosis, port-wine stains, Sturge
CC syndrome, leukaemia, osteoporosis and wound healing. (I) is useful for
CC treating a patient having a condition associated with the level of ERG,
CC by contacting cells of the patient with (I) under conditions suitable for
CC the treatment. The method comprises the use of one or more therapies
CC under conditions suitable for the treatment. Leukaemia or tumour
CC angiogenesis is treated by administering (I) to the patient in
CC conjunction with one or more of other therapies such as radiation or
CC chemotherapy treatment. (I) is useful for reducing ERG activity in a
CC cell, by contacting the cell with (I). (I) is useful for cleaving RNA of
CC ERG gene, by contacting (I) with RNA, in the presence of a divalent
CC cation such as Mg2+. (I) is useful for diagnosis of conditions and
CC diseases related to the expression of ERG, and as diagnostic tool to
CC examine genetic drift and mutations within diseased cells or to detect
CC the presence of ERG RNA in a cell. (I) is useful for specifically
CC targeting genes that share homology with ERG gene or ERG fusion genes.

CC ABK17354-ABK22719 represent nucleic acids, including antisense and
CC enzymatic nucleic acid molecules which regulate expression of ERG, and
CC related PCR primers of the invention
XX
SQ Sequence 17 BP; 4 A; 3 C; 7 G; 0 T; 3 U; 0 Other;

Query Match 9.4%; Score 12.2; DB 1; Length 17;
Best Local Similarity 64.7%; Pred. No. 2.3e+02;
Matches 11; Conservative 3; Mismatches 3; Indels 0; Gaps 0;

QY 1409 GTTAATGATGACCACTC 1425
| : | : || || || || : |
Db 1 GUGAGUGAGGACCAGUC 17

RESULT 102
ACC51306
ID ACC51306 standard; DNA; 17 BP.

XX
AC ACC51306;
XX
DT 27-JUN-2003 (first entry)

DE Human tumour suppressor sequence #73.

XX ss; tumour suppressor; antitumour; cytosstatic; tumour suppression;
KW tumour regression; apoptosis; virus resistance; diagnosis;
KW cellular degeneration.

XX Homo sapiens.

OS
XX FR2826373-A1.

PN
XX 27-DEC-2002.

PD
XX 20-JUN-2001; 2001FR-00008139.

PF
XX 20-JUN-2001; 2001FR-00008139.

PR
XX (MOLE-) MOLECULAR ENGINES LAB SA.

PA
XX Tuijnder M, Telerman A, Amson R;

PI
XX WPI; 2003-250498/25.

XX New nucleic acid sequences associated with tumor suppression, regression,
PT apoptosis or virus resistance are useful to diagnose and treat viral
PT disease, development of tumor cells and cell degeneration.

XX Claim 1; Page 57; 798pp; French.

XX This sequence represents an isolated nucleic acid sequence associated
CC with tumour suppression or regression, apoptosis or virus resistance. The
CC invention relates to these sequences or sequences having at least 80%
CC identity to them, and polypeptides encoded by the sequences or
CC polypeptides having 80% identity to the polypeptide sequences. The
CC invention is used to diagnose or treat viral disease or disease
CC characterized by development of tumour cells or cellular degeneration

XX Sequence 17 BP; 10 A; 2 C; 4 G; 1 T; 0 U; 0 Other;

Query Match 9.4%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 2.3e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1390 GATCAAGGAGGTAAA 1406
|| || || || || || || ||
Db 1 GATCAAGGAGAAACAA 17

RESULT 103

ACC51977

ID ACC51977 standard; DNA; 17 BP.

XX AC ACC51977;
XX DT 27-JUN-2003 (first entry)
XX DE Human tumour suppressor sequence #744.
XX KW ss; tumour suppressor; antitumour; cytostatic; tumour suppression;
KW tumour regression; apoptosis; virus resistance; diagnosis;
KW cellular degeneration.
XX OS Homo sapiens.
XX PN FR2826373-A1.
XX PD 27-DEC-2002.
XX PF 20-JUN-2001; 2001FR-00008139.
XX PR 20-JUN-2001; 2001FR-00008139.
XX PA (MOLE-) MOLECULAR ENGINES LAB SA.
XX PI Tuijnder M, Telerman A, Amson R;
XX WPI; 2003-250498/25.
XX DR New nucleic acid sequences associated with tumor suppression, regression,
PT apoptosis or virus resistance are useful to diagnose and treat viral
PT disease, development of tumor cells and cell degeneration.
XX PS Claim 1; Page 212; 798pp; French.
XX CC This sequence represents an isolated nucleic acid sequence associated
CC with tumour suppression or regression, apoptosis or virus resistance. The
CC invention relates to these sequences or sequences having at least 80%
CC identity to them, and polypeptides encoded by the sequences or
CC polypeptides having 80% identity to the polypeptide sequences. The
CC invention is used to diagnose or treat viral disease or disease
CC characterized by development of tumour cells or cellular degeneration
XX
SQ Sequence 17 BP; 4 A; 6 C; 1 G; 6 T; 0 U; 0 Other;

Query Match 9.4%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 2.3e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1379 GATCGTCTTCTGATCAA 1395
Db 1 GATCATCTTCTCCTCAA 17
|||||
1 GATCATCTTCTCCTCAA 17

RESULT 104
ACA99709
ID ACA99709 standard; DNA; 17 BP.
XX AC ACA99709;
XX DT 28-JUL-2003 (first entry)
XX DE G-protein coupled receptor GPCR-A-1 analysis oligonucleotide #202.
DE Human; G-protein coupled receptor; GPCR-A-1; cancer; tumour;
KW G-Protein-Agonist; G-Protein-Antagonist; gene therapy; cytostatic; ss.
XX OS Homo sapiens.
XX PN WO2003031621-A2.
XX PD 17-APR-2003.
XX PF 11-OCT-2002; 2002WO-US032599.
XX

PR 12-OCT-2001; 2001US-0329000P.
XX (AMSH) AMERSHAM BIOSCIENCES SV CORP.
PA Zhang J;
XX WPI; 2003-381720/36.
DR
XX New GPCR-A-1 nucleic acid and polypeptide, useful for diagnosing,
PT investigating and/or treating disorders associated with aberrant
PT expression or activity of GPCR-A-1, such as tumors and cancers.
XX
PS Example 2; SEQ ID NO 226; 156pp; English.
XX
CC The invention describes an isolated nucleic acid encoding a G protein
CC coupled receptor (GPCR), mutations of which cause cancer, comprising a
CC 2225 or 1921 base pair sequence, or their degenerate variants, encoding a
CC 409 residue amino acid sequence, all given in the specification, with or
CC without conservative amino acid substitutions, or complements of the
CC sequence of them. The encoding nucleic acid is not more than 100 kbase in
CC length. The methods and compositions of the present invention are useful
CC for diagnosing, investigating and/or treating disorders associated with
CC aberrant expression or activity of GPCR-A-1, such as tumours and cancers.
CC This sequence represents an oligonucleotide used to analyse the gene
CC encoding human G-protein coupled receptor GPCR-A-1
XX
SQ Sequence 17 BP; 2 A; 3 C; 6 G; 6 T; 0 U; 0 Other;

Query Match 9.4%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 2.3e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1385 CTTCTGATCAAGGAGG 1401
Db 1 CTTCTGGTCTTAGGAGG 17
|||||
1 CTTCTGGTCTTAGGAGG 17

RESULT 105
ABT36584
ID ABT36584 standard; DNA; 17 BP.
XX AC ABT36584;
XX DT 12-JUN-2003 (first entry)
XX DE Tumour suppression related human fukutin oligo SEQ ID No 2221.
XX Cytostatic; virucide; neuroprotective; nootropic; neuroleptic; gene chip;
KW antisense; sense; tumour; cell degeneration; cancer; Alzheimer's disease;
KW schizophrenia; protein chip; gene therapy; tumour suppression;
KW human fukutin; ds.
XX OS Homo sapiens.
XX PN WO2003025175-A2.
XX PD 27-MAR-2003.
XX PF 17-SEP-2002; 2002WO-IB004208.
XX PR 17-SEP-2001; 2001FR-00011978.
XX (MOLE-) MOLECULAR ENGINES LAB.
XX Telerman A, Amson R, Tuijnder M;
PI WPI; 2003-313353/30.
XX
PT New isolated nucleic acid, useful for treating viral diseases associated
PT with tumors and cell degeneration, also related polypeptides, antibodies
PT and transfected cells.
XX
PS Disclosure; Page 292; 720pp; French.

XX The invention relates to a novel isolated 17 mer nucleic acid sequence,
CC given in the specification, a sequence containing at least 15 consecutive
CC nucleotides from the 17 mer sequence, a sequence with, after optimal
CC alignment, at least 80 % identity to the 17 mer sequence, or the complement
CC hybridizes to them under highly stringent conditions, or the complement
CC of any of them, or the corresponding RNA. The novel isolated nucleic
CC acids of the invention are useful as probes and primers for detecting,
CC identifying, quantifying and/or amplifying a nucleic acid, e.g. as one
CC component of a gene chip, in vitro as (anti)sense reagents, and for
CC production of recombinant polypeptides. Any of the nucleic acids,
CC polypeptides, vectors containing the nucleic acids, cells containing the
CC vector or antibodies directed against the polypeptides are useful for
CC preparation of pharmaceuticals for prevention and/or treatment of viral
CC diseases that are characterised by development of tumours or cell
CC degeneration, specifically cancer but also Alzheimer's disease and
CC schizophrania. Analysis of the expression of the 17 mer nucleic acids in
CC patient samples is useful for diagnosis and/or prognosis of these
CC diseases. The polypeptides can also be used to generate antibodies, and
CC both the polypeptide and antibodies are useful as components of protein
CC chips. The nucleic acid sequences are useful as components of protein
CC chips. The nucleic acid sequences of the invention can be used in gene
CC therapy. This polynucleotide sequence represents a tumour suppression
CC related human fukutin oligonucleotide of the invention
XX
SQ Sequence 17 BP; 4 A; 4 C; 4 G; 5 T; 0 U; 0 Other;

Query Match 9.4%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 2.3e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1379 GATCGTCTTCTGATCAA 1395
||||| ||||| |||||
Db 1 GATCCTGTTCTGAGCAA 17

RESULT 106
ABT38096
ID ABT38096 standard; DNA; 17 BP.
XX
AC ABT38096;
XX
DT 12-JUN-2003 (first entry)
XX
DE Tumour suppression related human fukutin oligo SEQ ID No 3733.
XX
KW Cytostatic; virucide; neuroprotective; nootropic; neuroleptic; gene chip;
KW antisense; sense; tumour; cell degeneration; cancer; Alzheimer's disease;
KW schizophrania; protein chip; gene therapy; tumour suppression;
KW human fukutin; ds.
XX
OS Homo sapiens.
XX
PN WO2003025175-A2.
XX
PD 27-MAR-2003.
XX
PF 17-SEP-2002; 2002WO-IB004208.
XX
PR 17-SEP-2001; 2001FR-00011978.
XX
PA (MOLE-) MOLECULAR ENGINES LAB.
XX
PI Telerman A, Amson R, Tuijnder M;
XX
XX WPI; 2003-313353/30.
DR
XX New isolated nucleic acid, useful for treating viral diseases associated
PT with tumors and cell degeneration, also related polypeptides, antibodies
PT and transfected cells.
XX
PS Disclosure; Page 470; 720pp; French.
XX
CC The invention relates to a novel isolated 17 mer nucleic acid sequence,

CC given in the specification, a sequence containing at least 15 consecutive
CC nucleotides from the 17 mer sequence, a sequence with, after optimal
CC alignment, at least 80 % identity to the 17 mer sequence, or the complement
CC hybridizes to them under highly stringent conditions, or the complement
CC of any of them, or the corresponding RNA. The novel isolated nucleic
CC acids of the invention are useful as probes and primers for detecting,
CC identifying, quantifying and/or amplifying a nucleic acid, e.g. as one
CC component of a gene chip, in vitro as (anti)sense reagents, and for
CC production of recombinant polypeptides. Any of the nucleic acids,
CC polypeptides, vectors containing the nucleic acids, cells containing the
CC vector or antibodies directed against the polypeptides are useful for
CC preparation of pharmaceuticals for prevention and/or treatment of viral
CC diseases that are characterised by development of tumours or cell
CC degeneration, specifically cancer but also Alzheimer's disease and
CC schizophrania. Analysis of the expression of the 17 mer nucleic acids in
CC patient samples is useful for diagnosis and/or prognosis of these
CC diseases. The polypeptides can also be used to generate antibodies, and
CC both the polypeptide and antibodies are useful as components of protein
CC chips. The nucleic acid sequences of the invention can be used in gene
CC therapy. This polynucleotide sequence represents a tumour suppression
CC related human fukutin oligonucleotide of the invention
XX
SQ Sequence 17 BP; 10 A; 1 C; 5 G; 1 T; 0 U; 0 Other;

Query Match 9.4%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 2.3e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1390 GATCAAGAGGAGGTAAAA 1406
||||| ||||| |||||
Db 1 GATCAAGAGGAGGAAAGA 17

RESULT 107
ACA06833/c
ID ACA06833 standard; RNA; 17 BP.
XX
AC ACA06833;
XX
DT 03-JUN-2003 (first entry)
XX
DE NFKB sub-unit modulating inozyme substrate #652.
XX
KW Enzymatic nucleic acid; nuclear factor kappa B; NFKB; inozyme; zinzyme;
KW G-cleaver; amberyzyme; cancer; REL-A activity; breast cancer; human;
KW lung cancer; prostate cancer; colorectal cancer; brain cancer;
KW oesophageal cancer; stomach cancer; bladder cancer; pancreatic cancer;
KW cervical cancer; head and neck cancer; ovarian cancer; melanoma;
KW lymphoma; glioma; multidrug resistant cancer; REL-A-specific inhibitor;
KW chemotheraphy; paclitaxel; docetaxel; cisplatin; methotrexate;
KW cyclophosphamide; doxorubin; fluorouracil carboplatin; edatrexate;
KW gemcitabine; radiation therapy; inflammatory disease; asthma; diabetes;
KW rheumatoid arthritis; restenosis; Crohn's disease; obesity; ischaemia;
KW gene therapy; autoimmune disease; lupus; multiple sclerosis; sepsis;
KW transplant/graft rejection; reperfusion injury; glomerulonephritis;
KW allergic airway inflammation; inflammatory bowel disease; infection; ss.
XX
OS Homo sapiens.
XX
XX US2002177568-A1.
PN
XX 28-NOV-2002.
PD
XX 23-MAY-2001; 2001US-00864785.
PF
XX 07-DEC-1992; 92US-00987132.
PR
PR 18-MAY-1994; 94US-00245466.
PR 15-AUG-1994; 94US-00291932.
PR 23-DEC-1996; 96US-00777916.
XX
XX (STIN/) STINCHCOMB D T.
PA (MCSW/) MCSWIGGEN J.
PA (DRAP/) DRAPER K G.

XX Stinchcomb DT, Mcswiggen J, Draper KG;
PI WPI; 2003-340953/32.
XX
XX
XX Novel enzymatic nucleic acid molecules which down regulates expression of
PT a sequence encoding a subunit of nuclear factor kappa B useful for
PT treating cancer, inflammatory disorders and autoimmune diseases.
XX
XX Claim 3; Page 36; 72pp; English.
XX
XX The invention describes an enzymatic nucleic acid molecule (I) which down
CC regulates expression of a sequence encoding a subunit of nuclear factor
CC kappa B (NFkB), where (I) is an inozyme, zinzyme, G-cleaver or amberzyme
CC configuration. The enzymatic nucleic acid molecule is adapted to treat
CC cancer and is useful for down-regulating REL-A activity in a cell, for
CC treating a patient having a condition associated with the level of REL-A.
CC (I) is useful for cleaving RNA comprising a sequence of REL-A gene, in
CC the presence of a divalent cation, especially Mg²⁺. The enzymatic and
CC antisense nucleic acid molecules are useful for treating breast, lung,
CC prostate, colorectal, brain, oesophageal, stomach, bladder, pancreatic,
CC cervical, head and neck, ovarian cancer, melanoma, lymphoma, glioma or
CC multidrug resistant cancer. The method involves use of other drug
CC therapies such as monoclonal antibodies, REL-A-specific inhibitors or
CC chemotherapy including paclitaxel, docetaxel, cisplatin, methotrexate,
CC cyclophosphamide, doxorubin, fluorouracil carboplatin, edatrexate,
CC gemcitabine or radiation therapy. The enzymatic and antisense nucleic
CC acid molecules are also useful for treating inflammatory disease such as
CC rheumatoid arthritis, restenosis, asthma, Crohn's disease, diabetes,
CC obesity, autoimmune disease, lupus, multiple sclerosis, transplant/graft
CC rejection, gene therapy applications, ischaemia/reperfusion injury
CC (central nervous system (CNS) and myocardial), glomerulonephritis,
CC sepsis, allergic airway inflammation, inflammatory bowel disease or
CC infection. This sequence represents the substrate of a novel enzymatic
CC nucleic acid molecule
XX
SQ Sequence 17 BP; 2 A; 7 C; 1 G; 0 T; 7 U; 0 Other;

Query Match 9.4%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 2.3e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1456 GTTGATCAAGCAATAG 1472
Db 17 GTTGAGCAAGGAAGAG 1

RESULT 108
ABZ60049
ID ABZ60049 standard; RNA; 17 BP.
XX
AC ABZ60049;
XX
DT 21-MAR-2003 (first entry)
XX
DE Human K-Ras DNazyme substrate #161.
XX
KW Human; ribozyme; short interfering RNA; siRNA; HER2; K-Ras;
KW enzymatic nucleic acid; H-Ras; N-Ras; HIV; cytosstatic; anti-HIV;
KW anti-rheumatic; cancer; AIDS; ss.
XX
OS Homo sapiens.
XX
PN WO200297114-A2.
XX
PD 05-DEC-2002.
XX
PF 29-MAY-2002; 2002WO-US016840.
XX
PR 29-MAY-2001; 2001US-0294140P.
PR 06-JUN-2001; 2001US-0296249P.
PR 10-SEP-2001; 2001US-0318471P.
XX

PA (RIBO-) RIBOZYME PHARM INC.
XX Mcswiggen J;
PI WPI; 2003-140484/13.
XX
DR Novel short interfering RNA and enzymatic nucleic acid useful for
XX treating cancer, modulates the expression of a nucleic acid encoding
PT HER2, K-Ras, H-Ras, N-Ras, and human deficiency virus sequences.
PT
XX
PS Claim 58; Page 88; 185pp; English.
XX
XX The invention relates to a novel short interfering RNA (siRNA) nucleic
CC acid molecule or an enzymatic nucleic acid molecule, that modulates
CC expression of a nucleic acid molecule encoding HER2, K-Ras, H-Ras, N-Ras,
CC human immunodeficiency virus (HIV) or a component of HIV. The nucleic
CC acid molecule of the invention has cytostatic, anti-HIV, and anti-
CC rheumatic activity. The nucleic acid molecules are useful for reducing
CC HER2, K-Ras, H-Ras, and HIV activity in a cell. The nucleic acids are
CC also useful for treating breast, ovarian, colorectal, lung, prostate,
CC bladder, or pancreatic cancer, and HIV infection, and AIDS. The sequences
CC shown in ABZ59889 - ABZ62216, ABZ64544 - ABZ65531, ABZ66520 - ABZ66524,
CC ABZ66530 - ABZ66585 represent substrate/target sequences for the human
CC ribozymes of the invention
XX
SQ Sequence 17 BP; 9 A; 1 C; 5 G; 0 T; 2 U; 0 Other;

Query Match 9.4%; Score 12.2; DB 1; Length 17;
Best Local Similarity 76.5%; Pred. No. 2.3e+02;
Matches 13; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

QY 1390 GATCAAAGGAGGTAAAA 1406
Db 1 GAGCAAAGAGUGUAAAA 17

RESULT 109
ACC67934/C
ID ACC67934 standard; DNA; 17 BP.
XX
AC ACC67934;
XX
DT 01-JUL-2003 (first entry)
XX
DE Murine oligonucleotide associated with tumour supression, SEQ ID 5181.
XX
KW Cytostatic; virucide; neuroprotective; nootropic; neuroleptic; murine;
KW tumour suppression; tumour reversion; apoptosis; virus resistance;
KW viral disease; tumour; cell degeneration; cancer; Alzheimer's disease;
KW schizophrenia; ss.
XX
OS Mus musculus.
XX
PN WO2003025176-A2.
XX
PD 27-MAR-2003.
XX
PF 17-SEP-2002; 2002WO-IB004210.
XX
PR 17-SEP-2001; 2001FR-00011979.
XX
PA (MOLE-) MOLECULAR ENGINES LAB.
XX
PI Telerman A, Amson R, Tuijnder M;
XX WPI; 2003-333167/31.
XX
XX New isolated nucleic acid, useful for treating viral diseases associated
PT with tumors and cell degeneration, also related polypeptides, antibodies
PT and transfected cells.
XX
PS Disclosure; Page 636; 738pp; French.
XX

CC The present invention relates to murine oligonucleotides (ACC62754-
CC ACC68806), which are associated with tumour suppression, tumour
CC reversion, apoptosis and virus resistance. The oligonucleotides are
CC useful as (1) as probes and primers for detecting, identifying,
CC quantifying and/or amplifying nucleic acid, e.g. as one component of a
CC gene chip; in vitro as (anti)sense reagents; and (2) for production of
CC recombinant polypeptides. The oligonucleotides are useful for preparation
CC of pharmaceuticals for prevention and/or treatment of viral diseases
CC that are characterised by development of tumours or cell degeneration,
CC specifically cancer but also Alzheimer's disease and schizophrenia
XX
SQ Sequence 17 BP; 6 A; 2 C; 1 G; 8 T; 0 U; 0 Other;

Query Match 9.4%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 2.3e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1405 AATTGTTAATGATGACC 1421
Db 17 AATTATTAAAGATGATC 1

RESULT 110
ACC64079
ID ACC64079 standard; DNA; 17 BP.
XX
AC ACC64079;

DT 01-JUL-2003 (first entry)

DE Murine oligonucleotide associated with tumour suppression, SEQ ID 1326.
XX
KW Cytostatic; virucide; neuroprotective; nootropic; neuroleptic; murine;
KW tumour suppression; tumour reversion; apoptosis; virus resistance;
KW viral disease; tumour; cell degeneration; cancer; Alzheimer's disease;
KW schizophrenia; ss.

XX Mus musculus.

OS WO2003025176-A2.

PN 27-MAR-2003.

XX 17-SEP-2002; 2002WO-IB004210.

XX 17-SEP-2001; 2001FR-00011979.

XX (MOLE-) MOLECULAR ENGINES LAB.

XX Telerman A, Amson R, Tuijnder M;

XX WPI; 2003-333167/31.

XX New isolated nucleic acid, useful for treating viral diseases associated
PT with tumors and cell degeneration, also related polypeptides, antibodies
PT and transfected cells.

XX Disclosure; Page 186; 738pp; French.

XX The present invention relates to murine oligonucleotides (ACC62754-
CC ACC68806), which are associated with tumour suppression, tumour
CC reversion, apoptosis and virus resistance. The oligonucleotides are
CC useful as (1) as probes and primers for detecting, identifying,
CC quantifying and/or amplifying nucleic acid, e.g. as one component of a
CC gene chip; in vitro as (anti)sense reagents; and (2) for production of
CC recombinant polypeptides. The oligonucleotides are useful for preparation
CC of pharmaceuticals for prevention and/or treatment of viral diseases
CC that are characterised by development of tumours or cell degeneration,
CC specifically cancer but also Alzheimer's disease and schizophrenia
XX

SQ Sequence 17 BP; 8 A; 1 C; 5 G; 3 T; 0 U; 0 Other;

Query Match 9.4%; Score 12.2; DB 1; Length 17;

Best Local Similarity 82.4%; Pred. No. 2.3e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
QY 1390 GATCAAAGGAGGTAAAA 1406
Db 1 GATCTGAGGAGATAAAA 17

RESULT 111
ADB42007
ID ADB42007 standard; DNA; 17 BP.
XX
AC ADB42007;

DT 18-DEC-2003 (revised)

DT 04-DEC-2003 (first entry)

XX Tumour suppression/reversion associated nucleotide #2330.

XX cytostatic; antiviral; neuroprotective; nootropic; neuroleptic; ss;
KW primer; probe; tumour suppression; tumour reversion; apoptosis;
KW virus resistance; transgenic animals; Alzheimer's disease; schizophrenia;
KW diagnosis.

XX Homo sapiens.

XX WO2003040369-A2.

XX 15-MAY-2003.

XX 17-SEP-2002; 2002WO-IB004219.

XX 17-SEP-2001; 2001FR-00011981.

XX (MOLE-) MOLECULAR ENGINES LAB.

XX Telerman A, Amson R, Tuijnder M;

XX WPI; 2003-441574/41.

XX New nucleic acid encoding human prostate membrane-specific antigen,
PT useful e.g. for treatment of tumors and viral infection, also related
PT polypeptide and antibodies.

XX Disclosure; Page 304; 771pp; French.

XX The invention relates to the isolation of 6327 nucleotide sequences,
CC fragments of at least 15 consecutive nucleotides of these nucleotides, a
CC sequence having at least 80% identity, after optimal alignment, with the
CC nucleotides, a sequence that hybridizes under stringent conditions with
CC the nucleotides, or the complement, or corresponding RNA, of the
CC nucleotides. The nucleotides are used as probes or primers for detecting,
CC identifying, quantifying and/or amplifying nucleic acids, as in vitro
CC sense and antisense sequences, of nucleotides involved in tumour
CC suppression or reversion, apoptosis and or viral resistance, to produce
CC recombinant polypeptides, and to prepare transgenic animals, as
CC experimental models. The nucleotides (also vectors containing them and
CC cells containing the vectors), the encoded polypeptides and antibodies
CC (Ab) against the polypeptide are useful for prevention and/or treatment
CC of viral infections or diseases characterized by development of tumours
CC or cell degeneration (e.g. Alzheimer's disease or schizophrenia).
CC Analysis of the expression of the nucleotides can be used for diagnosis
CC and/or prognosis of these diseases. The nucleotides and polypeptides can
CC also be used to screen for their specific interactive molecules,
CC potentially useful for treating diseases associated with abnormal
CC expression of the nucleotides.

XX Sequence 17 BP; 10 A; 1 C; 5 G; 1 T; 0 U; 0 Other;

Query Match 9.4%; Score 12.2; DB 1; Length 17;

Best Local Similarity 82.4%; Pred. No. 2.3e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1390 GATCAAGGAGGTAAAA 1406
Db 1 GATCAAGAGGAAGA 17

RESULT 112
ADB41408/C
ID ADB41408 standard; DNA; 17 BP.
XX
AC ADB41408;
XX
DT 18-DEC-2003 (revised)
DT 04-DEC-2003 (first entry)
XX
DE Tumour suppression/reversion associated nucleotide #1731.
XX
KW cytostatic; antiviral; neuroprotective; nootropic; neuroleptic; ss;
KW primer; probe; tumour suppression; tumour reversion; apoptosis;
KW virus resistance; transgenic animals; Alzheimer's disease; schizophrenia;
KW diagnosis.
XX
OS Homo sapiens.
XX
PN WO2003040369-A2.
XX
PD 15-MAY-2003.
XX
PF 17-SEP-2002; 2002WO-IB004219.
XX
PR 17-SEP-2001; 2001FR-00011981.
XX
PA (MOLE-) MOLECULAR ENGINES LAB.
XX
PI Telerman A, Amson R, Tuijnder M;
XX
DR WPI; 2003-441574/41.
XX
PT New nucleic acid encoding human prostate membrane-specific antigen,
PT useful e.g. for treatment of tumors and viral infection, also related
PT polypeptide and antibodies.
XX
PS Disclosure; Page 234; 771pp; French.
XX
CC The invention relates to the isolation of 6327 nucleotide sequences,
CC fragments of at least 15 consecutive nucleotides of these nucleotides, a
CC sequence having at least 80% identity, after optimal alignment, with the
CC nucleotides, a sequence that hybridizes under stringent conditions with
CC the nucleotides, or the complement, or corresponding RNA, of the
CC nucleotides. The nucleotides are used as probes or primers for detecting,
CC identifying, quantifying and/or amplifying nucleic acids, as in vitro
CC sense and antisense sequences, of nucleotides involved in tumour
CC suppression or reversion, apoptosis and or viral resistance, to produce
CC recombinant polypeptides, and to prepare transgenic animals, as
CC experimental models. The nucleotides (also vectors containing them and
CC cells containing the vectors), the encoded polypeptides and antibodies
CC (Ab) against the polypeptide are useful for prevention and/or treatment
CC of viral infections or diseases characterized by development of tumours
CC or cell degeneration (e.g. Alzheimer's disease or schizophrenia).
CC Analysis of the expression of the nucleotides can be used for diagnosis
CC and/or prognosis of these diseases. The nucleotides and polypeptides can
CC also be used to screen for their specific interactive molecules,
CC potentially useful for treating diseases associated with abnormal
CC expression of the nucleotides.
XX
SQ Sequence 17 BP; 3 A; 3 C; 3 G; 8 T; 0 U; 0 Other;

Query Match 9.4%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 2.3e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
QY 1356 AAAATATTCCACGCATC 1372
Db 17 AAAATAATGCACGCATC 1

RESULT 113
ADB43610/C
ID ADB43610 standard; DNA; 17 BP.
XX
AC ADB43610;
XX
DT 18-DEC-2003 (revised)
DT 04-DEC-2003 (first entry)
XX
DE Tumour suppression/reversion associated nucleotide #3933.
XX
KW cytostatic; antiviral; neuroprotective; nootropic; neuroleptic; ss;
KW primer; probe; tumour suppression; tumour reversion; apoptosis;
KW virus resistance; transgenic animals; Alzheimer's disease; schizophrenia;
KW diagnosis.
XX
OS Homo sapiens.
XX
PN WO2003040369-A2.
XX
PD 15-MAY-2003.
XX
PF 17-SEP-2002; 2002WO-IB004219.
XX
PR 17-SEP-2001; 2001FR-00011981.
XX
PA (MOLE-) MOLECULAR ENGINES LAB.
XX
PI Telerman A, Amson R, Tuijnder M;
XX
DR WPI; 2003-441574/41.
XX
PT New nucleic acid encoding human prostate membrane-specific antigen,
PT useful e.g. for treatment of tumors and viral infection, also related
PT polypeptide and antibodies.
XX
PS Disclosure; Page 491; 771pp; French.
XX
CC The invention relates to the isolation of 6327 nucleotide sequences,
CC fragments of at least 15 consecutive nucleotides of these nucleotides, a
CC sequence having at least 80% identity, after optimal alignment, with the
CC nucleotides, a sequence that hybridizes under stringent conditions with
CC the nucleotides, or the complement, or corresponding RNA, of the
CC nucleotides. The nucleotides are used as probes or primers for detecting,
CC identifying, quantifying and/or amplifying nucleic acids, as in vitro
CC sense and antisense sequences, of nucleotides involved in tumour
CC suppression or reversion, apoptosis and or viral resistance, to produce
CC recombinant polypeptides, and to prepare transgenic animals, as
CC experimental models. The nucleotides (also vectors containing them and
CC cells containing the vectors), the encoded polypeptides and antibodies
CC (Ab) against the polypeptide are useful for prevention and/or treatment
CC of viral infections or diseases characterized by development of tumours
CC or cell degeneration (e.g. Alzheimer's disease or schizophrenia).
CC Analysis of the expression of the nucleotides can be used for diagnosis
CC and/or prognosis of these diseases. The nucleotides and polypeptides can
CC also be used to screen for their specific interactive molecules,
CC potentially useful for treating diseases associated with abnormal
CC expression of the nucleotides.
XX
SQ Sequence 17 BP; 7 A; 6 C; 3 G; 1 T; 0 U; 0 Other;

Query Match 9.4%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 2.3e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
QY 1377 GCGATCGTCTTCTGATC 1393
Db 17 GCGTTCGTGTTGTGATC 1
RESULT 114

ADB44998
ID ADB44998 standard; DNA; 17 BP.
XX
AC ADB44998;
XX
DT 18-DEC-2003 (first entry)
XX
DE Tumour suppression/reversion associated nucleotide #5321.
XX
KW cytostatic; antiviral; neuroprotective; nootropic; neuroleptic; ss;
KW primer; probe; tumour suppression; tumour reversion; apoptosis;
KW virus resistance; transgenic animals; Alzheimer's disease; schizophrania;
KW diagnosis.
XX
OS Homo sapiens.
XX
PN WO2003040369-A2.
XX
PD 15-MAY-2003.
XX
PF 17-SEP-2002; 2002WO-IB004219.
XX
PR 17-SEP-2001; 2001FR-00011981.
XX
PA (MOLE-) MOLECULAR ENGINES LAB.
XX
PI Telerman A, Amson R, Tuijnder M;
XX
DR WPI; 2003-441574/41.
XX
PT New nucleic acid encoding human prostate membrane-specific antigen,
PT useful e.g. for treatment of tumors and viral infection, also related
PT polypeptide and antibodies.
XX
PS Disclosure; Page 654; 771pp; French.
XX
CC The invention relates to the isolation of 6327 nucleotide sequences,
CC fragments of at least 15 consecutive nucleotides of these nucleotides, a
CC sequence having at least 80% identity, after optimal alignment, with the
CC nucleotides, a sequence that hybridizes under stringent conditions with
CC the nucleotides, or the complement, or corresponding RNA, of the
CC nucleotides. The nucleotides are used as probes or primers for detecting,
CC identifying, quantifying and/or amplifying nucleic acids, as in vitro
CC sense and antisense sequences, of nucleotides involved in tumour
CC suppression or reversion, apoptosis and or viral resistance, to produce
CC recombinant polypeptides, and to prepare transgenic animals, as
CC experimental models. The nucleotides (also vectors containing them and
CC cells containing the vectors), the encoded polypeptides and antibodies
CC (Ab) against the polypeptide are useful for prevention and/or treatment
CC of viral infections or diseases characterized by development of tumours
CC or cell degeneration (e.g. Alzheimer's disease or schizophrania).
CC Analysis of the expression of the nucleotides can be used for diagnosis
CC and/or prognosis of these diseases. The nucleotides and polypeptides can
CC also be used to screen for their specific interactive molecules,
CC potentially useful for treating diseases associated with abnormal
CC expression of the nucleotides.
XX
SQ Sequence 17 BP; 10 A; 2 C; 4 G; 1 T; 0 U; 0 Other;

Query Match 9.4%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 2.3e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1390 GATCAAGAGGAGTAAA 1406
Db 1 GATCAAGAGGAGTAAA 17

RESULT 115
ADE25135
ID ADE25135 standard; DNA; 17 BP.
XX
AC ADE25135;

XX
DT 29-JAN-2004 (first entry)
XX
DE Plant growth associated polynucleotide seq id 110.
XX
KW plant growth; plant growth trait modulation; Brassicaceae; Arabidopsis;
KW Brassica; Zea; Oryza; Triticum; Hordeum; Lolium; Sorghum; Glycine;
KW Medicago; Helianthus; Lactuca; Beta; Vitis; Solanum; Lycopersicon;
KW Capsicum; Gossypium; Hevea; Linum; Prunus; Citrus; Populus; Pinus;
KW Quercus; ss.
XX
OS Magnoliophyta.
XX
PN US2003188343-A1.
XX
PD 02-OCT-2003.
XX
PF 07-JAN-2003; 2003US-00338777.
XX
PR 09-JAN-2002; 2002US-0347288P.
XX
PA (LYNX-) LYNX THERAPEUTICS INC.
XX
PI Bowen BA, Haudenschild CD, Buckler ES;
XX
DR WPI; 2003-803305/75.
XX
PT New isolated or recombinant polypeptide for use in modulating a plant
PT growth trait in a flowering plant e.g. in Arabidopsis, Brassica, Zea, or
PT Oryza.
XX
PS Example 2; SEQ ID NO 110; 81pp; English.
XX
CC The invention describes an isolated or recombinant polypeptide (I)
CC comprising a sequence: (a) comprising 1 of 30 sequences (S1), as given in
CC the specification, or a conservative variant; (b) encoded by 1 of 30
CC sequences (S2), as given in the specification, or a conservative variant;
CC (c) encoded by a sequence that hybridizes under stringent conditions to
CC S2; and (d) encoded by a sequence 70 % identical to S2. The expression or
CC activity of (I) is modulated to modulate a plant growth trait in a
CC flowering plant, of the family Brassicaceae, preferably in a plant that
CC is Arabidopsis, Brassica, Zea, Oryza, Triticum, Hordeum, Lolium, Sorghum,
CC Glycine, Medicago, Helianthus, Lactuca, Beta, Vitis, Solanum,
CC Lycopersicon, Capsicum, Gossypium, Hevea, Linum, Prunus, Citrus, Populus,
CC Pinus, or Quercus. A new method is used to detect genes for a plant
CC growth trait. This sequence represents a polynucleotide isolated from the
CC plant growth associated genes of the invention that can be used a a
CC primer, probe or genetic marker.
XX
SQ Sequence 17 BP; 2 A; 5 C; 5 G; 5 T; 0 U; 0 Other;

Query Match 9.4%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 2.3e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1379 GATCGTCTTCTGATCAA 1395
Db 1 GATCGGCTTCTGCTCGA 17

RESULT 116
ABI58638
ID ABI58638 standard; DNA; 12 BP.
XX
AC ABI58638;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 358611 for detecting SNP TSC0006594.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB0000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX DR WPI; 2001-657177/75.
XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX PS Claim 1; SEQ ID NO 358611; 29pp + Sequence Listing; German.
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX SQ Sequence 12 BP; 4 A; 0 C; 3 G; 5 T; 0 U; 0 Other;
Query Match 9.2%; Score 12; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.6e+02;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1408 TGTTAATGATGA 1419
Db 1 TGTTAATGATGA 12
RESULT 117
ABH75215/c
ID ABH75215 standard; DNA; 12 BP.
XX AC ABH75215;
XX DT 22-FEB-2002 (first entry)
XX DE Oligonucleotide primer SEQ ID NO 275206 for detecting SNP TSC0003823.
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB0000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.

PI Olek A, Piepenbrock C, Berlin K;
XX DR WPI; 2001-657177/75.
XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX PS Claim 1; SEQ ID NO 275206; 29pp + Sequence Listing; German.
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX SQ Sequence 12 BP; 3 A; 4 C; 0 G; 5 T; 0 U; 0 Other;
Query Match 9.2%; Score 12; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.6e+02;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1397 GGAGGTAAAATT 1408
Db 12 GGAGGTAAAATT 1
RESULT 118
ABI70837/c
ID ABI70837 standard; DNA; 12 BP.
XX AC ABI70837;
XX DT 22-FEB-2002 (first entry)
XX DE Oligonucleotide primer SEQ ID NO 370810 for detecting SNP TSC0038409.
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB0000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX DR WPI; 2001-657177/75.
XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX PS Claim 1; SEQ ID NO 370810; 29pp + Sequence Listing; German.
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The

CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 1 A; 3 C; 0 G; 8 T; 0 U; 0 Other;

Query Match 9.2%; Score 12; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.6e+02;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1350 GGAAGAAAAATA 1361
Db 12 GGAAGAAAAATA 1
|||||

RESULT 119
ABC95961/c
ID ABC95961 standard; DNA; 13 BP.
XX
AC ABC95961;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 95978 for detecting SNP TSC0023864.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 95978; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 7 A; 3 C; 0 G; 3 T; 0 U; 0 Other;

Query Match 9.2%; Score 12; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.6e+02;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Best Local Similarity 100.0%; Pred. No. 1.8e+02;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1407 TTGTTAATGATG 1418
Db 12 TTGTTAATGATG 1
|||||

RESULT 120
ABF58579/c
ID ABF58579 standard; DNA; 13 BP.
XX
AC ABF58579;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 158576 for detecting SNP TSC0039915.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 158576; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 5 A; 1 C; 0 G; 7 T; 0 U; 0 Other;

Query Match 9.2%; Score 12; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.8e+02;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1402 TAAATTTGTTAA 1413
Db 13 TAAATTTGTTAA 2
|||||

RESULT 121
ABF73478/c
ID ABF73478 standard; DNA; 13 BP.
XX
AC ABF73478;

```
XX DT 22-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 173475 for detecting SNP TSC0043213.
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX DR Set of oligonucleotides, useful for diagnosis and cell typing, is
XX PT designed to detect single-nucleotide polymorphisms and cytosine
XX PT methylation status.
XX PS Claim 1; SEQ ID NO 173475; 29pp + Sequence Listing; German.
XX SQ Sequence 13 BP; 3 A; 0 C; 3 G; 7 T; 0 U; 0 Other;

Query Match 9.2%; Score 12; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.8e+02;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1356 AAAATATTCCAC 1367
Db 13 AAAATATTCCAC 2

RESULT 122
ABF73479
ID ABF73479 standard; DNA; 13 BP.
XX AC ABF73479;
XX DT 22-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 173476 for detecting SNP TSC0043213.
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 2001-657177/75.
XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
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PD 18-OCT-2001.
XX 06-APR-2001; 2001WO-IB000713.
XX 07-APR-2000; 2000DE-01019173.
XX (EPIG-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX PT designed to detect single-nucleotide polymorphisms and cytosine
XX PT methylation status.
XX PS Claim 1; SEQ ID NO 173476; 29pp + Sequence Listing; German.
XX SQ Sequence 13 BP; 7 A; 3 C; 0 G; 3 T; 0 U; 0 Other;

Query Match 9.2%; Score 12; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.8e+02;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1356 AAAATATTCCAC 1367
Db 1 AAAATATTCCAC 12

RESULT 123
ABF22878
ID ABF22878 standard; DNA; 13 BP.
XX AC ABF22878;
XX DT 21-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 122875 for detecting SNP TSC0030713.
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
```

PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 122875; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 6 A; 0 C; 1 G; 6 T; 0 U; 0 Other;

Query Match 9.2%; Score 12; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.8e+02;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1403 AAAATTGTTAAT 1414
Db 1 AAAATTGTTAAT 12

RESULT 124
ABC95960
ID ABC95960 standard; DNA; 13 BP.
XX
AC ABC95960;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 95977 for detecting SNP TSC0023864.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB0000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 95977; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073

CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 3 A; 0 C; 3 G; 7 T; 0 U; 0 Other;

Query Match 9.2%; Score 12; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.8e+02;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1407 TTGTTAATGATG 1418
Db 2 TTGTTAATGATG 13

RESULT 125
ABF42022
ID ABF42022 standard; DNA; 13 BP.
XX
AC ABF42022;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 142019 for detecting SNP TSC0035574.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB0000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 142019; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 7 A; 0 C; 6 G; 0 T; 0 U; 0 Other;

Query Match 9.2%; Score 12; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.8e+02;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1348 GGGGAAGAAAA 1359
|||||

Db 2 GGGGAAGAAAA 13

RESULT 126

ABH45026

ID ABH45026 standard; DNA; 13 BP.

XX

AC ABH45026;

XX

DT 22-FEB-2002 (first entry)

XX

DE Oligonucleotide SEQ ID NO 245003 for detecting SNP TSC0059825.

XX

KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;

KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;

KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX

OS Homo sapiens.

XX

PN WO200177384-A2.

XX

PD 18-OCT-2001.

XX

PF 06-APR-2001; 2001WO-IB000713.

XX

PR 07-APR-2000; 2000DE-01019173.

XX

PA (EPIG-) EPIGENOMICS AG.

XX

PI Olek A, Piepenbrock C, Berlin K;

XX

DR WPI; 2001-657177/75.

XX

XX Set of oligonucleotides, useful for diagnosis and cell typing, is

PT designed to detect single-nucleotide polymorphisms and cytosine

PT methylation status.

XX

PS Claim 1; SEQ ID NO 245003; 29pp + Sequence Listing; German.

XX

CC This invention describes novel oligonucleotide primers or peptide nucleic

CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)

CC and cytosine methylation status in chemically pretreated genomic DNA. The

CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a

CC range of diseases including immune system, gastrointestinal, respiratory,

CC central nervous system, cardiovascular and metabolic disorders. The

CC oligomers are also used for detecting cell type differentiation. ABC00010

CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073

CC represent the oligomers described in the invention. NOTE: The sequence

CC data for this patent did not form part of the printed specification, but

CC was obtained in electronic format from WIPO at

CC ftp.wipo.int/pub/published_pct_sequences

XX

PS Sequence 13 BP; 5 A; 0 C; 2 G; 6 T; 0 U; 0 Other;

XX

CC Query Match 9.2%; Score 12; DB 1; Length 13;

CC Best Local Similarity 100.0%; Pred. No. 1.8e+02;

CC Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1401 GTAAATTTGTTA 1412

Db 2 GTAAATTTGTTA 13

RESULT 127

ABF42023/c

ID ABF42023 standard; DNA; 13 BP.

XX

AC ABF42023;

XX

DT 21-FEB-2002 (first entry)

XX

DE Oligonucleotide SEQ ID NO 142020 for detecting SNP TSC0035574.

XX

KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;

KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;

KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX

OS Homo sapiens.

XX

PN WO200177384-A2.

XX

PD 18-OCT-2001.

XX

PF 06-APR-2001; 2001WO-IB000713.

XX

PR 07-APR-2000; 2000DE-01019173.

XX

PA (EPIG-) EPIGENOMICS AG.

XX

PI Olek A, Piepenbrock C, Berlin K;

XX

DR WPI; 2001-657177/75.

XX

XX Set of oligonucleotides, useful for diagnosis and cell typing, is

PT designed to detect single-nucleotide polymorphisms and cytosine

PT methylation status.

XX

PS Claim 1; SEQ ID NO 142020; 29pp + Sequence Listing; German.

XX

CC This invention describes novel oligonucleotide primers or peptide nucleic

CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)

CC and cytosine methylation status in chemically pretreated genomic DNA. The

CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a

CC range of diseases including immune system, gastrointestinal, respiratory,

CC central nervous system, cardiovascular and metabolic disorders. The

CC oligomers are also used for detecting cell type differentiation. ABC00010

CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073

CC represent the oligomers described in the invention. NOTE: The sequence

CC data for this patent did not form part of the printed specification, but

CC was obtained in electronic format from WIPO at

CC ftp.wipo.int/pub/published_pct_sequences

XX

PS Sequence 13 BP; 0 A; 6 C; 0 G; 7 T; 0 U; 0 Other;

XX

CC Query Match 9.2%; Score 12; DB 1; Length 13;

CC Best Local Similarity 100.0%; Pred. No. 1.8e+02;

CC Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1348 GGGGAAGAAAA 1359

Db 12 GGGGAAGAAAA 1

RESULT 128

ABH45027/c

ID ABH45027 standard; DNA; 13 BP.

XX

AC ABH45027;

XX

DT 22-FEB-2002 (first entry)

XX

DE Oligonucleotide SEQ ID NO 245004 for detecting SNP TSC0059825.

XX

KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;

KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;

KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX

OS Homo sapiens.

XX

PN WO200177384-A2.

XX

PD 18-OCT-2001.

XX

PF 06-APR-2001; 2001WO-IB000713.

XX

PR 07-APR-2000; 2000DE-01019173.

XX

XX (EPIG-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 245004; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 6 A; 2 C; 0 G; 5 T; 0 U; 0 Other;
XX
Query Match 9.2%; Score 12; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.8e+02;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
XX
QY 1401 GTAAATTTGTTA 1412
Db 12 GTAAATTTGTTA 1
XX
RESULT 129
ABF22879/c
ID ABF22879 standard; DNA; 13 BP.
XX
AC ABF22879;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 122876 for detecting SNP TSC0030713.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
AC ABF22879;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 122876 for detecting SNP TSC0030713.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB0000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 122876; 29pp + Sequence Listing; German.
XX

CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 6 A; 1 C; 0 G; 6 T; 0 U; 0 Other;
XX
Query Match 9.2%; Score 12; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.8e+02;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
XX
QY 1403 AAAATTGTTAAT 1414
Db 13 AAAATTGTTAAT 2
XX
RESULT 130
ABF58578
ID ABF58578 standard; DNA; 13 BP.
XX
AC ABF58578;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 158575 for detecting SNP TSC0039915.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB0000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 158575; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX

```
SQ Sequence 13 BP; 7 A; 0 C; 1 G; 5 T; 0 U; 0 Other;
    Query Match          9.2%; Score 12; DB 1; Length 13;
    Best Local Similarity 100.0%; Pred. No. 1.8e+02;
    Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1402 TAAAATTGTTAA 1413
Db 1 TAAAATTGTTAA 12

RESULT 131
AAF52309/C
ID AAF52309 standard; DNA; 15 BP.
XX
AC AAF52309;
XX
DT 30-MAR-2001 (first entry)
XX
DE IGF-I oligonucleotide #3269.
XX
KW Antisense therapy; antiproliferative; antiinflammatory; antipsoriatic;
KW cytostatic; dermatological; cardiant; virucide; ophthalmological; keloid;
KW skin disorder; Insulin-like Growth Factor 1 receptor; IGF-1; pityriasis;
KW IGF binding protein; IGFBP-2; IGFBP3; inflammation; psoriasis; pilaris;
KW growth factor mediated cell proliferation; ichthyosis; serborrhea; ruba;
KW keratosis; neoplasia; scleroderma; wart; skin cancer; sclerotic disease;
KW hyperneovascular condition; hyperplasia; kidney disease;
KW neovascular condition of the retina; ss.
XX
OS Homo sapiens.
XX
PN WO200078341-A1.
XX
PD 28-DEC-2000.
XX
PF 21-JUN-2000; 2000WO-AU0000693.
XX
PR 21-JUN-1999; 99US-0140345P.
XX
PA (MURD-) MURDOCH CHILDRENS RES INST.
XX
PI Wraight CJ, Werther GA, Edmondson SR;
XX
DR WPI; 2001-041421/05.
XX
PT Ameliorating the effects of a disorder, e.g. psoriasis, by administering
PT UV (ultra-violet) treatment (optional) and an antisense nucleic acid that
PT inhibits or reduces growth factor mediated cell proliferation and/or
PT inflammation.
XX
PS Example 8; Page 82; 201pp; English.
XX
CC The present invention relates to a method for ameliorating the effects of
CC skin disorders. The method comprises contacting the skin with an
CC antisense oligonucleotide, (for Insulin-like Growth Factor [IGF]-1
CC receptor, IGF binding protein [IGFBP]-2 or IGFBP3), which is capable of
CC inhibiting or reducing growth factor mediated cell proliferation,
CC inflammation and/or other disorders. The present sequence is an
CC oligonucleotide which can be used to design the antisense
CC oligonucleotides of the present invention (see AAF45151 and AAF45153-
CC F45161). The method is useful for ameliorating the effects of psoriasis,
CC ichthyosis, pityriasis, ruba, pilaris, serborrhea, keloids, keratosis,
CC neoplasias, scleroderma, warts, benign growths, cancers of the skin, a
CC hyperneovascular condition such as a neovascular condition of the retina,
CC brain or skin, growth factor-mediated malignancies, other sclerotic
CC disease, kidney disease, hyperproliferation of the inside of blood
XX vessels or any other hyperplasia
SQ Sequence 15 BP; 3 A; 4 C; 4 G; 4 T; 0 U; 0 Other;

Query Match          9.2%; Score 12; DB 1; Length 15;
Best Local Similarity 100.0%; Pred. No. 2.2e+02;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1413 ATGATGACCAGT 1424
Db 13 ATGATGACCAGT 2

RESULT 132
AAF52307/C
ID AAF52307 standard; DNA; 15 BP.
XX
AC AAF52307;
XX
DT 30-MAR-2001 (first entry)
XX
DE IGF-I oligonucleotide #3267.
XX
KW Antisense therapy; antiproliferative; antiinflammatory; antipsoriatic;
KW cytostatic; dermatological; cardiant; virucide; ophthalmological; keloid;
KW skin disorder; Insulin-like Growth Factor 1 receptor; IGF-1; pityriasis;
KW IGF binding protein; IGFBP-2; IGFBP3; inflammation; psoriasis; pilaris;
KW growth factor mediated cell proliferation; ichthyosis; serborrhea; ruba;
KW keratosis; neoplasia; scleroderma; wart; skin cancer; sclerotic disease;
KW hyperneovascular condition; hyperplasia; kidney disease;
KW neovascular condition of the retina; ss.
XX
OS Homo sapiens.
XX
PN WO200078341-A1.
XX
PD 28-DEC-2000.
XX
PF 21-JUN-2000; 2000WO-AU0000693.
XX
PR 21-JUN-1999; 99US-0140345P.
XX
PA (MURD-) MURDOCH CHILDRENS RES INST.
XX
PI Wraight CJ, Werther GA, Edmondson SR;
XX
DR WPI; 2001-041421/05.
XX
PT Ameliorating the effects of a disorder, e.g. psoriasis, by administering
PT UV (ultra-violet) treatment (optional) and an antisense nucleic acid that
PT inhibits or reduces growth factor mediated cell proliferation and/or
PT inflammation.
XX
PS Example 8; Page 82; 201pp; English.
XX
CC The present invention relates to a method for ameliorating the effects of
CC skin disorders. The method comprises contacting the skin with an
CC antisense oligonucleotide, (for Insulin-like Growth Factor [IGF]-1
CC receptor, IGF binding protein [IGFBP]-2 or IGFBP3), which is capable of
CC inhibiting or reducing growth factor mediated cell proliferation,
CC inflammation and/or other disorders. The present sequence is an
CC oligonucleotide which can be used to design the antisense
CC oligonucleotides of the present invention (see AAF45151 and AAF45153-
CC F45161). The method is useful for ameliorating the effects of psoriasis,
CC ichthyosis, pityriasis, ruba, pilaris, serborrhea, keloids, keratosis,
CC neoplasias, scleroderma, warts, benign growths, cancers of the skin, a
CC hyperneovascular condition such as a neovascular condition of the retina,
CC brain or skin, growth factor-mediated malignancies, other sclerotic
CC disease, kidney disease, hyperproliferation of the inside of blood
XX vessels or any other hyperplasia
SQ Sequence 15 BP; 5 A; 4 C; 2 G; 4 T; 0 U; 0 Other;

Query Match          9.2%; Score 12; DB 1; Length 15;
Best Local Similarity 100.0%; Pred. No. 2.2e+02;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1413 ATGATGACCAGT 1424
Db 13 ATGATGACCAGT 2
```


Db 15 ATGATGACCAGT 4

RESULT 133

AAF52310/C

ID AAF52310 standard; DNA; 15 BP.

XX

AC AAF52310;

XX

DT 30-MAR-2001 (first entry)

XX

DE IGF-I oligonucleotide #3270.

XX

KW Antisense therapy; antiproliferative; antiinflammatory; antipsoriatic; cytostatic; dermatological; cardiant; virucide; ophthalmological; keloid; skin disorder; Insulin-like Growth Factor 1 receptor; IGF-1; pityriasis; IGF binding protein; IGFBP-2; IGFBP3; inflammation; psoriasis; pilaris; growth factor mediated cell proliferation; ichthyosis; serborrhea; ruba; keratosis; neoplasia; scleroderma; wart; skin cancer; sclerotic disease; hyperneovascular condition; hyperplasia; kidney disease; neovascular condition of the retina; ss.

OS Homo sapiens.

XX

PN WO200078341-A1.

XX

PD 28-DEC-2000.

XX

PF 21-JUN-2000; 2000WO-AU0000693.

XX

PR 21-JUN-1999; 99US-0140345P.

XX

PA (MURD-) MURDOCH CHILDRENS RES INST.

XX

PI Wraight CJ, Werther GA, Edmondson SR;

XX

DR WPI; 2001-0411421/05.

XX

PT Ameliorating the effects of a disorder, e.g. psoriasis, by administering UV (ultra-violet) treatment (optional) and an antisense nucleic acid that inhibits or reduces growth factor mediated cell proliferation and/or inflammation.

XX

PS Example 8; Page 82; 201pp; English.

XX

CC The present invention relates to a method for ameliorating the effects of skin disorders. The method comprises contacting the skin with an antisense oligonucleotide, (for Insulin-like Growth Factor [IGF]-1 receptor, IGF binding protein [IGFBP]-2 or IGFBP3), which is capable of inhibiting or reducing growth factor mediated cell proliferation, inflammation and/or other disorders. The present sequence is an oligonucleotide which can be used to design the antisense oligonucleotides of the present invention (see AAF45151 and AAF45153-F45161). The method is useful for ameliorating the effects of psoriasis, ichthyosis, pityriasis, ruba, pilaris, serborrhea, keloids, keratosis, neoplasias, scleroderma, warts, benign growths, cancers of the skin, a hyperneovascular condition such as a neovascular condition of the retina, brain or skin, growth factor-mediated malignancies, other sclerotic disease, kidney disease, hyperproliferation of the inside of blood vessels or any other hyperplasia

XX

SQ Sequence 15 BP; 4 A; 3 C; 4 G; 4 T; 0 U; 0 Other;

Query Match 9.2%; Score 12; DB 1; Length 15;

Best Local Similarity 100.0%; Pred. No. 2.2e+02;

Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1413 ATGATGACCAGT 1424

Db 12 ATGATGACCAGT 1

RESULT 134

AAF52308/C

ID AAF52308 standard; DNA; 15 BP.

XX

AC AAF52308;

XX

DT 30-MAR-2001 (first entry)

XX

DE IGF-I oligonucleotide #3268.

XX

KW Antisense therapy; antiproliferative; antiinflammatory; antipsoriatic; cytostatic; dermatological; cardiant; virucide; ophthalmological; keloid; skin disorder; Insulin-like Growth Factor 1 receptor; IGF-1; pityriasis; IGF binding protein; IGFBP-2; IGFBP3; inflammation; psoriasis; pilaris; growth factor mediated cell proliferation; ichthyosis; serborrhea; ruba; keratosis; neoplasia; scleroderma; wart; skin cancer; sclerotic disease; hyperneovascular condition; hyperplasia; kidney disease; neovascular condition of the retina; ss.

OS Homo sapiens.

XX

PN WO200078341-A1.

XX

PD 28-DEC-2000.

XX

PF 21-JUN-2000; 2000WO-AU0000693.

XX

PR 21-JUN-1999; 99US-0140345P.

XX

PA (MURD-) MURDOCH CHILDRENS RES INST.

XX

PI Wraight CJ, Werther GA, Edmondson SR;

XX

DR WPI; 2001-0411421/05.

XX

PT Ameliorating the effects of a disorder, e.g. psoriasis, by administering UV (ultra-violet) treatment (optional) and an antisense nucleic acid that inhibits or reduces growth factor mediated cell proliferation and/or inflammation.

XX

PS Example 8; Page 82; 201pp; English.

XX

CC The present invention relates to a method for ameliorating the effects of skin disorders. The method comprises contacting the skin with an antisense oligonucleotide, (for Insulin-like Growth Factor [IGF]-1 receptor, IGF binding protein [IGFBP]-2 or IGFBP3), which is capable of inhibiting or reducing growth factor mediated cell proliferation, inflammation and/or other disorders. The present sequence is an oligonucleotide which can be used to design the antisense oligonucleotides of the present invention (see AAF45151 and AAF45153-F45161). The method is useful for ameliorating the effects of psoriasis, ichthyosis, pityriasis, ruba, pilaris, serborrhea, keloids, keratosis, neoplasias, scleroderma, warts, benign growths, cancers of the skin, a hyperneovascular condition such as a neovascular condition of the retina, brain or skin, growth factor-mediated malignancies, other sclerotic disease, kidney disease, hyperproliferation of the inside of blood vessels or any other hyperplasia

XX

SQ Sequence 15 BP; 4 A; 4 C; 3 G; 4 T; 0 U; 0 Other;

Query Match 9.2%; Score 12; DB 1; Length 15;

Best Local Similarity 100.0%; Pred. No. 2.2e+02;

Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1413 ATGATGACCAGT 1424

Db 14 ATGATGACCAGT 3

RESULT 135

AAD32444

ID AAD32444 standard; DNA; 15 BP.

XX

AC AAD32444;

XX 18-JUN-2002 (first entry)
DT Human OR1G1 gene polymorphism detecting ASO probe #1.
XX
DE Human; olfactory receptor family 1 subfamily G member 1; OR1G1; therapy;
KW polymorphism; drug screening; olfactory sensory deficit; gene therapy;
KW chromosome 17p13.3; probe; ss.
XX
OS Homo sapiens.
XX WO200212561-A2.
PN
XX 14-FEB-2002.
PD
XX 03-AUG-2001; 2001WO-US024478.
PF
XX 03-AUG-2000; 2000US-0222755P.
PR
XX (GENA-) GENAISSANCE PHARM INC.
PA
XX Kazemi A, Messer C, Tanguay DA;
PI WPI; 2002-269097/31.
XX
DR Novel isolated human olfactory receptor, family 1, subfamily G, member 1
XX polynucleotide, for therapeutic purposes, for studying expression and
PT function of the polynucleotide and for expressing receptor protein.
PT
XX Claim 16; Page 13; 96pp; English.
PS
XX The present invention relates to an isolated human olfactory receptor,
CC family 1, subfamily G, member 1, (OR1G1) polynucleotide comprising a
CC sequence which is a polymorphic variant for a reference sequence for the
CC OR1G1 gene or its fragment, or a polymorphic variant of a reference
CC sequence for a OR1G1 cDNA or its fragment. OR1G1 is useful in studying
CC the expression and function of OR1G1 and in expressing OR1G1 protein for
CC use in screening for candidate drugs to treat diseases related to OR1G1
CC activity. OR1G1 is useful for therapeutic purposes. The invention is
CC useful for studying expression of the OR1G1 isogenes in vivo, for in vivo
CC screening and testing of drugs targetted against OR1G1 protein, and for
CC testing the efficacy of therapeutic agents and compounds for olfactory
CC sensory deficits, in a biological system. The invention is useful in gene
CC therapy and is located on the . The present sequence is human OR1G1 gene
CC polymorphism detecting ASO (allele specific oligonucleotide) probe
XX
SQ Sequence 15 BP; 6 A; 1 C; 4 G; 3 T; 0 U; 1 Other;

Query Match 9.2%; Score 12; DB 1; Length 15;
Best Local Similarity 85.7%; Pred. No. 2.2e+02;
Matches 12; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1396 AGGAGGTAAATTG 1409
Db |||||:|||||
1 AGAAGGTAAATTG 14

RESULT 136
AAF01730/C
ID AAF01730 standard; DNA; 17 BP.
XX
AC AAF01730;
XX
DT 16-FEB-2001 (first entry)
XX
DE Hammerhead ribozyme substrate #25.
XX
KW Ribozyme; erythropoietin; granulocyte colony stimulating factor;
KW interferon alpha; ss.
XX
OS Homo sapiens.
XX
PN WO200061729-A2.

XX 19-OCT-2000.
PD
XX 11-APR-2000; 2000WO-US009721.
PF
XX 12-APR-1999; 99US-0129390P.
PR
XX (RIBO-) RIBOZYME PHARM INC.
PA
XX Blatt L, Zwick M, Pavco P, Mcswiggen J;
PI WPI; 2000-647423/62.
XX
DR Enzymatic and antisense nucleic acid inhibition of repressor genes,
XX useful for producing e.g. granulocyte colony stimulating factor protein,
PT interferon alpha and erythropoietin.
PT
XX Claim 37; Page 56; 164pp; English.
PS
XX The present invention relates to enzymatic and antisense nucleic acid
CC molecules that act as inhibitors of the expression of repressor genes
CC encoding the TR2 Orphan receptor, EAR3/COUP-TF-1, the GATA transcription
CC factor gene, IRF-2 and/or the CAAAT Displacement Protein (CDP).
CC Inhibition of the repressors removes prevents inhibition (and
CC consequently increases expression of) genes involved in the production of
CC erythropoietin, granulocyte colony stimulating factor protein and
CC interferon alpha
XX
SQ Sequence 17 BP; 0 A; 6 C; 3 G; 8 T; 0 U; 0 Other;

Query Match 9.2%; Score 12; DB 1; Length 17;
Best Local Similarity 100.0%; Pred. No. 2.5e+02;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1347 ACGGGAAGAAAA 1358
Db |||||:|||||
14 ACGGGAAGAAAA 3

RESULT 137
AAF01728/C
ID AAF01728 standard; DNA; 17 BP.
XX
AC AAF01728;
XX
DT 16-FEB-2001 (first entry)
XX
DE Hammerhead ribozyme substrate #23.
XX
KW Ribozyme; erythropoietin; granulocyte colony stimulating factor;
KW interferon alpha; ss.
XX
OS Homo sapiens.
XX WO200061729-A2.
PN
XX 19-OCT-2000.
PD
XX 11-APR-2000; 2000WO-US009721.
PF
XX 12-APR-1999; 99US-0129390P.
PR
XX (RIBO-) RIBOZYME PHARM INC.
PA
XX Blatt L, Zwick M, Pavco P, Mcswiggen J;
PI WPI; 2000-647423/62.
XX
DR Enzymatic and antisense nucleic acid inhibition of repressor genes,
XX useful for producing e.g. granulocyte colony stimulating factor protein,
PT interferon alpha and erythropoietin.
PT
XX Claim 37; Page 56; 164pp; English.
PS

XX The present invention relates to enzymatic and antisense nucleic acid
CC molecules that act as inhibitors of the expression of repressor genes
CC encoding the TR2 Orphan receptor, EAR3/COUP-TF-1, the GATA transcription
CC factor gene, IRF-2 and/or the CAAT Displacement Protein (CDP).
CC Inhibition of the repressors removes prevents inhibition (and
CC consequently increases expression of) genes involved in the production of
CC erythropoietin, granulocyte colony stimulating factor protein and
CC interferon alpha
XX
SQ Sequence 17 BP; 1 A; 5 C; 4 G; 7 T; 0 U; 0 Other;

Query Match 9.2%; Score 12; DB 1; Length 17;
Best Local Similarity 100.0%; Pred. No. 2.5e+02;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1347 AGGGAAGAAAA 1358
Db 17 AGGGAAGAAAA 6
|||||

RESULT 138
AAF03333
ID AAF03333 standard; DNA; 17 BP.
XX
AC AAF03333;
XX
DT 16-FEB-2001 (first entry)
XX
DE Hammerhead ribozyme substrate #1628.
XX
KW Ribozyme; erythropoietin; granulocyte colony stimulating factor;
KW interferon alpha; ss.
OS Homo sapiens.
XX
XX WO200061729-A2.
PN
PD 19-OCT-2000.
XX
PF 11-APR-2000; 2000WO-US009721.
XX
PR 12-APR-1999; 99US-0129390P.
XX
PA (RIBO-) RIBOZYME PHARM INC.
XX
PI Blatt L, Zwick M, Pavco P, Mcswiggen J;
XX
DR WPI; 2000-647423/62.
XX
CC The present invention relates to enzymatic and antisense nucleic acid
CC molecules that act as inhibitors of the expression of repressor genes
CC encoding the TR2 Orphan receptor, EAR3/COUP-TF-1, the GATA transcription
CC factor gene, IRF-2 and/or the CAAT Displacement Protein (CDP).
CC Inhibition of the repressors removes prevents inhibition (and
CC consequently increases expression of) genes involved in the production of
CC erythropoietin, granulocyte colony stimulating factor protein and
CC interferon alpha
XX
SQ Sequence 17 BP; 9 A; 2 C; 1 G; 5 T; 0 U; 0 Other;

Query Match 9.2%; Score 12; DB 1; Length 17;
Best Local Similarity 100.0%; Pred. No. 2.5e+02;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1355 AAAAATATTCCA 1366
|||||

Db 3 AAAAATATTCCA 14

RESULT 139
AAF03084/c
ID AAF03084 standard; DNA; 17 BP.
XX
AC AAF03084;
XX
DT 16-FEB-2001 (first entry)
XX
DE Hammerhead ribozyme substrate #1379.
XX
KW Ribozyme; erythropoietin; granulocyte colony stimulating factor;
KW interferon alpha; ss.
XX
OS Homo sapiens.
XX
PN WO200061729-A2.
XX
PD 19-OCT-2000.
XX
PF 11-APR-2000; 2000WO-US009721.
XX
PR 12-APR-1999; 99US-0129390P.
XX
PA (RIBO-) RIBOZYME PHARM INC.
XX
PI Blatt L, Zwick M, Pavco P, Mcswiggen J;
XX
DR WPI; 2000-647423/62.
XX
CC Enzymatic and antisense nucleic acid inhibition of repressor genes,
CC useful for producing e.g. granulocyte colony stimulating factor protein,
CC interferon alpha and erythropoietin.
XX
PS Claim 37; Page 87; 164pp; English.
XX
CC The present invention relates to enzymatic and antisense nucleic acid
CC molecules that act as inhibitors of the expression of repressor genes
CC encoding the TR2 Orphan receptor, EAR3/COUP-TF-1, the GATA transcription
CC factor gene, IRF-2 and/or the CAAT Displacement Protein (CDP).
CC Inhibition of the repressors removes prevents inhibition (and
CC consequently increases expression of) genes involved in the production of
CC erythropoietin, granulocyte colony stimulating factor protein and
CC interferon alpha
XX
SQ Sequence 17 BP; 3 A; 3 C; 1 G; 10 T; 0 U; 0 Other;

Query Match 9.2%; Score 12; DB 1; Length 17;
Best Local Similarity 100.0%; Pred. No. 2.5e+02;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1441 ATACATCGAAGA 1452
Db 17 ATACATCGAAGA 6
|||||

RESULT 140
AAF01729/c
ID AAF01729 standard; DNA; 17 BP.
XX
AC AAF01729;
XX
DT 16-FEB-2001 (first entry)
XX
DE Hammerhead ribozyme substrate #24.
XX
KW Ribozyme; erythropoietin; granulocyte colony stimulating factor;
KW interferon alpha; ss.
XX
OS Homo sapiens.
XX

```
PN WO200061729-A2.
XX
PD 19-OCT-2000.
XX
PF 11-APR-2000; 2000WO-US009721.
XX
PR 12-APR-1999; 99US-0129390P.
XX
PA (RIBO-) RIBOZYME PHARM INC.
XX
PI Blatt L, Zwick M, Pavco P, Mcswiggen J;
XX
DR WPI; 2000-647423/62.
XX
PT Enzymatic and antisense nucleic acid inhibition of repressor genes,
PT useful for producing e.g. granulocyte colony stimulating factor protein,
PT interferon alpha and erythropoietin.
XX
PS Claim 37; Page 56; 164pp; English.
XX
CC The present invention relates to enzymatic and antisense nucleic acid
CC molecules that act as inhibitors of the expression of repressor genes
CC encoding the TR2 Orphan receptor, EAR3/COUP-TF-1, the GATA transcription
CC factor gene, IRF-2 and/or the CAAT Displacement Protein (CDP).
CC Inhibition of the repressors removes prevents inhibition (and
CC consequently increases expression of) genes involved in the production of
CC erythropoietin, granulocyte colony stimulating factor protein and
CC interferon alpha
XX
SQ Sequence 17 BP; 0 A; 6 C; 4 G; 7 T; 0 U; 0 Other;

Query Match          9.2%; Score 12; DB 1; Length 17;
Best Local Similarity 100.0%; Pred. No. 2.5e+02;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1347 AGGGAAGAAAA 1358
DB 16 AGGGAAGAAAA 5

RESULT 141
AAF03334
ID AAF03334 standard; DNA; 17 BP.
XX
AC AAF03334;
XX
DT 16-FEB-2001 (first entry)
XX
DE Hammerhead ribozyme substrate #1629.
XX
KW Ribozyme; erythropoietin; granulocyte colony stimulating factor;
KW interferon alpha; ss.
XX
OS Homo sapiens.
XX
PN WO200061729-A2.
XX
PD 19-OCT-2000.
XX
PF 11-APR-2000; 2000WO-US009721.
XX
PR 12-APR-1999; 99US-0129390P.
XX
PA (RIBO-) RIBOZYME PHARM INC.
XX
PI Blatt L, Zwick M, Pavco P, Mcswiggen J;
XX
DR WPI; 2000-647423/62.
XX
PT Enzymatic and antisense nucleic acid inhibition of repressor genes,
PT useful for producing e.g. granulocyte colony stimulating factor protein,
PT interferon alpha and erythropoietin.
XX

PN WO200061729-A2.
XX
PD 19-OCT-2000.
XX
PF 11-APR-2000; 2000WO-US009721.
XX
PR 12-APR-1999; 99US-0129390P.
XX
PA (RIBO-) RIBOZYME PHARM INC.
XX
PI Blatt L, Zwick M, Pavco P, Mcswiggen J;
XX
DR WPI; 2000-647423/62.
XX
PT Enzymatic and antisense nucleic acid inhibition of repressor genes,
PT useful for producing e.g. granulocyte colony stimulating factor protein,
PT interferon alpha and erythropoietin.
XX

PS Claim 37; Page 93; 164pp; English.
XX
CC The present invention relates to enzymatic and antisense nucleic acid
CC molecules that act as inhibitors of the expression of repressor genes
CC encoding the TR2 Orphan receptor, EAR3/COUP-TF-1, the GATA transcription
CC factor gene, IRF-2 and/or the CAAT Displacement Protein (CDP).
CC Inhibition of the repressors removes prevents inhibition (and
CC consequently increases expression of) genes involved in the production of
CC erythropoietin, granulocyte colony stimulating factor protein and
CC interferon alpha
XX
SQ Sequence 17 BP; 10 A; 2 C; 2 G; 3 T; 0 U; 0 Other;

Query Match          9.2%; Score 12; DB 1; Length 17;
Best Local Similarity 100.0%; Pred. No. 2.5e+02;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1355 AAAAATATTCCA 1366
DB 1 AAAAATATTCCA 12

RESULT 142
AAF01731/C
ID AAF01731 standard; DNA; 17 BP.
XX
AC AAF01731;
XX
DT 16-FEB-2001 (first entry)
XX
DE Hammerhead ribozyme substrate #26.
XX
KW Ribozyme; erythropoietin; granulocyte colony stimulating factor;
KW interferon alpha; ss.
XX
OS Homo sapiens.
XX
PN WO200061729-A2.
XX
PD 19-OCT-2000.
XX
PF 11-APR-2000; 2000WO-US009721.
XX
PR 12-APR-1999; 99US-0129390P.
XX
PA (RIBO-) RIBOZYME PHARM INC.
XX
PI Blatt L, Zwick M, Pavco P, Mcswiggen J;
XX
DR WPI; 2000-647423/62.
XX
PT Enzymatic and antisense nucleic acid inhibition of repressor genes,
PT useful for producing e.g. granulocyte colony stimulating factor protein,
PT interferon alpha and erythropoietin.
XX
PS Claim 37; Page 56; 164pp; English.
XX
CC The present invention relates to enzymatic and antisense nucleic acid
CC molecules that act as inhibitors of the expression of repressor genes
CC encoding the TR2 Orphan receptor, EAR3/COUP-TF-1, the GATA transcription
CC factor gene, IRF-2 and/or the CAAT Displacement Protein (CDP).
CC Inhibition of the repressors removes prevents inhibition (and
CC consequently increases expression of) genes involved in the production of
CC erythropoietin, granulocyte colony stimulating factor protein and
CC interferon alpha
XX
SQ Sequence 17 BP; 0 A; 6 C; 3 G; 8 T; 0 U; 0 Other;

Query Match          9.2%; Score 12; DB 1; Length 17;
Best Local Similarity 100.0%; Pred. No. 2.5e+02;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1347 AGGGAAGAAAA 1358
```

```
Db          |||||
13  AGCGGAAGAAAA 2

RESULT 143
ACC63894/c
ID  ACC63894 standard; DNA; 17 BP.
XX
AC  ACC63894;
XX
DT  01-JUL-2003 (first entry)
XX
DE  Murine oligonucleotide associated with tumour suppression, SEQ ID 1141.
XX
KW  Cytostatic; virucide; neuroprotective; nootropic; neuroleptic; murine;
KW  tumour suppression; tumour reversion; apoptosis; virus resistance;
KW  viral disease; tumour; cell degeneration; cancer; Alzheimer's disease;
KW  schizophrenia; ss.
XX
OS  Mus musculus.
XX
PN  WO2003025176-A2.
XX
PD  27-MAR-2003.
XX
PF  17-SEP-2002; 2002WO-IB0004210.
XX
PR  17-SEP-2001; 2001FR-00011979.
XX
PA  (MOLE-) MOLECULAR ENGINES LAB.
XX
PI  Telerman A, Amson R, Tuijnder M;
XX
DR  WPI; 2003-333167/31.
XX
PT  New isolated nucleic acid, useful for treating viral diseases associated
PT  with tumors and cell degeneration, also related polypeptides, antibodies
PT  and transfected cells.
XX
PS  Disclosure; Page 164; 738pp; French.
XX
CC  The present invention relates to murine oligonucleotides (ACC62754-
CC  ACC68806), which are associated with tumour suppression, tumour
CC  reversion, apoptosis and virus resistance. The oligonucleotides are
CC  useful as (1) as probes and primers for detecting, identifying,
CC  quantifying and/or amplifying nucleic acid, e.g. as one component of a
CC  gene chip; in vitro as (anti)sense reagents; and (2) for production of
CC  recombinant polypeptides. The oligonucleotides are useful for preparation
CC  of pharmaceuticals for prevention and/or treatment of viral diseases that
CC  are characterised by development of tumours or cell degeneration,
CC  specifically cancer but also Alzheimer's disease and schizophrenia
XX
SQ  Sequence 17 BP; 8 A; 2 C; 3 G; 4 T; 0 U; 0 Other;

Query Match          9.2%; Score 12; DB 1; Length 17;
Best Local Similarity 100.0%; Pred. No. 2.5e+02;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY  1406 ATTGTTAATGAT 1417
Db          |||||
13  ATTGTTAATGAT 2

RESULT 144
AAT54301
ID  AAT54301 standard; RNA; 15 BP.
XX
AC  AAT54301;
XX
DT  25-MAR-2003 (revised)
DT  24-MAR-1997 (first entry)
XX
DE  Human IL-5 hammerhead ribozyme target sequence (nt. position 580).
```

```
XX
KW  Enzymatic nucleic acid; ribozyme; trans cleavage; inhibition;
KW  gene expression; downregulation; interleukin-5; IL-5; ICAM-1;
KW  intercellular adhesion molecule; rel A; tumour necrosis factor;
KW  TNF-alpha; respiratory syncytial virus; RSV; bcr-abl; oncogene;
KW  translocation; chronic myelogenous leukaemia; CML; cancer;
KW  Philadelphia chromosome; inflammation; autoimmune disease;
KW  atherosclerosis; myocardial infarction; stroke; restenosis;
KW  transplant rejection; rheumatoid arthritis; psoriasis;
KW  myocardial ischaemia; Kawasaki disease; septic shock; HIV;
KW  human immunodeficiency virus; acquired immune deficiency syndrome; AIDS;
KW  ss.
XX
OS  Homo sapiens.
XX
PN  WO95232225-A2.
XX
PD  31-AUG-1995.
XX
PF  23-FEB-1995; 95WO-IB000156.
XX
PR  23-FEB-1994; 94US-00201109.
PR  29-MAR-1994; 94US-00218934.
PR  04-APR-1994; 94US-00222795.
PR  07-APR-1994; 94US-00224483.
PR  15-APR-1994; 94US-00227958.
PR  15-APR-1994; 94US-00228041.
PR  18-MAY-1994; 94US-00245736.
PR  06-JUL-1994; 94US-00271280.
PR  15-AUG-1994; 94US-00291932.
PR  16-AUG-1994; 94US-00291433.
PR  17-AUG-1994; 94US-00292620.
PR  19-AUG-1994; 94US-00293520.
PR  02-SEP-1994; 94US-00300000.
PR  08-SEP-1994; 94US-00303039.
PR  23-SEP-1994; 94US-00311486.
PR  23-SEP-1994; 94US-00311749.
PR  28-SEP-1994; 94US-00314397.
PR  03-OCT-1994; 94US-00316771.
PR  07-OCT-1994; 94US-00319492.
PR  11-OCT-1994; 94US-00321993.
PR  04-NOV-1994; 94US-00334847.
PR  10-NOV-1994; 94US-00337608.
PR  28-NOV-1994; 94US-00345516.
PR  16-DEC-1994; 94US-00357577.
PR  23-DEC-1994; 94US-00363233.
PR  30-JAN-1995; 95US-00380734.
XX
PA  (RIBO-) RIBOZYME PHARM INC.
XX
PI  Stinchcomb DT, Chowrira B, Dorenzo A, Draper KG, Dudycz LM;
PI  Grimm S, Karpeisky A, Kisich K, Matulic-Adamic J, Mcswiggen JA;
PI  Modak A, Pavco P, Beigleman L, Sullivan SM, Sweedler D, Thompson JD;
PI  Tracz D, Usman N, Wincott FE, Woolf T;
XX
WPI; 1995-351090/45.
XX
PT  Ribozymes having modified bases and methods for producing them - for use
PT  in inhibiting disease related genes.
XX
PS  Claim 2; Page 215; 407pp; English.
XX
CC  The present sequence represents a preferred target sequence for an
CC  enzymatic nucleic acid (i.e. a ribozyme) which cleaves interleukin-5 (IL-
CC  5) mRNA at the nucleotide base position indicated in the DE line. Regions
CC  of the mRNA that do not form secondary folding structures and that
CC  contain potential hammerhead and hairpin ribozyme cleavage sites were
CC  identified by computer analysis. Ribozymes directed against these mRNA
CC  sequences were designed and synthesised with modifications that improve
CC  their nuclease resistance. The ribozymes cleave the IL-5 target sequences
CC  and thereby inhibit IL-5 expression, making them useful for treating
CC  chronic asthma, e.g. by inhibiting the synthesis of IL-5 in lymphocytes
CC  and preventing the recruitment and activation of eosinophils. The
```


AAF46528
ID AAF46528 standard; DNA; 15 BP.
XX
AC AAF46528;
XX
DT 30-MAR-2001 (first entry)
XX
DE IGFBP2 oligonucleotide #1367.
XX
KW Antisense therapy; antiproliferative; antiinflammatory; antipsoriatic;
KW cytostatic; dermatological; cardiant; virucide; ophthalmological; keloid;
KW skin disorder; Insulin-like Growth Factor 1 receptor; IGF-1; pityriasis;
KW IGF binding protein; IGFBP-2; IGFBP3; inflammation; psoriasis; pilaris;
KW growth factor mediated cell proliferation; ichthyosis; serborrhea; ruba;
KW keratosis; neoplasia; scleroderma; wart; skin cancer; sclerotic disease;
KW hyperneovascular condition; hyperplasia; kidney disease;
KW neovascular condition of the retina; ss.
XX
OS Homo sapiens.
XX
PN WO200078341-A1.
XX
PD 28-DEC-2000.
XX
PF 21-JUN-2000; 2000WO-AU000693.
XX
PD 28-DEC-2000.
XX
PF 21-JUN-2000; 2000WO-AU000693.
XX
PR 21-JUN-1999; 99US-0140345P.
XX
PA (MURD-) MURDOCH CHILDRENS RES INST.
XX
PI Wraight CJ, Werther GA, Edmondson SR;
XX
DR WPI; 2001-041421/05.
XX
PT Ameliorating the effects of a disorder, e.g. psoriasis, by administering
PT UV (ultra-violet) treatment (optional) and an antisense nucleic acid that
PT inhibits or reduces growth factor mediated cell proliferation and/or
PT inflammation.
XX
PS Example 6; Page 43; 201pp; English.
XX
CC The present invention relates to a method for ameliorating the effects of
CC skin disorders. The method comprises contacting the skin with an
CC antisense oligonucleotide, (for Insulin-like Growth Factor [IGF]-1
CC receptor, IGF binding protein [IGFBP]-2 or IGFBP3), which is capable of
CC inhibiting or reducing growth factor mediated cell proliferation,
CC inflammation and/or other disorders. The present sequence is an
CC oligonucleotide which can be used to design the antisense
CC oligonucleotides of the present invention (see AAF45151 and AAF45153-
CC F45161). The method is useful for ameliorating the effects of psoriasis,
CC ichthyosis, pityriasis, ruba, pilaris, serborrhea, keloids, keratosis,
CC neoplasias, scleroderma, warts, benign growths, cancers of the skin, a
CC hyperneovascular condition such as a neovascular condition of the retina,
CC brain or skin, growth factor-mediated malignancies, other sclerotic
CC disease, kidney disease, hyperproliferation of the inside of blood
CC vessels or any other hyperplasia
XX
SQ Sequence 15 BP; 6 A; 0 C; 6 G; 3 T; 0 U; 0 Other;
Query Match 9.1%; Score 11.8; DB 1; Length 15;
Best Local Similarity 86.7%; Pred. No. 2.3e+02;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
QY 1348 GGGGAAGAGAAATAT 1362
Db 1 GGGGAAGAGAAATTT 15
RESULT 148
AAF50407
ID AAF50407 standard; DNA; 15 BP.
XX
AC AAF50407;

XX 30-MAR-2001 (first entry)
XX IGF-I oligonucleotide #1367.
DE
XX
KW Antisense therapy; antiproliferative; antiinflammatory; antipsoriatic;
KW cytostatic; dermatological; cardiant; virucide; ophthalmological; keloid;
KW skin disorder; Insulin-like Growth Factor 1 receptor; IGF-1; pityriasis;
KW IGF binding protein; IGFBP-2; IGFBP3; inflammation; psoriasis; pilaris;
KW growth factor mediated cell proliferation; ichthyosis; serborrhea; ruba;
KW keratosis; neoplasia; scleroderma; wart; skin cancer; sclerotic disease;
KW hyperneovascular condition; hyperplasia; kidney disease;
KW neovascular condition of the retina; ss.
XX
OS Homo sapiens.
XX
PN WO200078341-A1.
XX
PD 28-DEC-2000.
XX
PF 21-JUN-2000; 2000WO-AU000693.
XX
PD 28-DEC-2000.
XX
PF 21-JUN-2000; 2000WO-AU000693.
XX
PR 21-JUN-1999; 99US-0140345P.
XX
PA (MURD-) MURDOCH CHILDRENS RES INST.
XX
PI Wraight CJ, Werther GA, Edmondson SR;
XX
DR WPI; 2001-041421/05.
XX
PT Ameliorating the effects of a disorder, e.g. psoriasis, by administering
PT UV (ultra-violet) treatment (optional) and an antisense nucleic acid that
PT inhibits or reduces growth factor mediated cell proliferation and/or
PT inflammation.
XX
PS Example 8; Page 69; 201pp; English.
XX
CC The present invention relates to a method for ameliorating the effects of
CC skin disorders. The method comprises contacting the skin with an
CC antisense oligonucleotide, (for Insulin-like Growth Factor [IGF]-1
CC receptor, IGF binding protein [IGFBP]-2 or IGFBP3), which is capable of
CC inhibiting or reducing growth factor mediated cell proliferation,
CC inflammation and/or other disorders. The present sequence is an
CC oligonucleotide which can be used to design the antisense
CC oligonucleotides of the present invention (see AAF45151 and AAF45153-
CC F45161). The method is useful for ameliorating the effects of psoriasis,
CC ichthyosis, pityriasis, ruba, pilaris, serborrhea, keloids, keratosis,
CC neoplasias, scleroderma, warts, benign growths, cancers of the skin, a
CC hyperneovascular condition such as a neovascular condition of the retina,
CC brain or skin, growth factor-mediated malignancies, other sclerotic
CC disease, kidney disease, hyperproliferation of the inside of blood
CC vessels or any other hyperplasia
XX
SQ Sequence 15 BP; 8 A; 2 C; 4 G; 1 T; 0 U; 0 Other;
Query Match 9.1%; Score 11.8; DB 1; Length 15;
Best Local Similarity 86.7%; Pred. No. 2.3e+02;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
QY 1392 TCAAAGGAGGTAAAA 1406
Db 1 TCAAAGCAGGGAAAA 15
RESULT 149
AAF50406
ID AAF50406 standard; DNA; 15 BP.
XX
AC AAF50406;
XX
DT 30-MAR-2001 (first entry)
XX
DE IGF-I oligonucleotide #1366.

XX Antisense therapy; antiproliferative; antiinflammatory; antipsoriatic;
KW cytostatic; dermatological; cardiant; virucide; ophthalmological; keloid;
KW skin disorder; Insulin-like Growth Factor 1 receptor; IGF-1; pityriasis;
KW IGF binding protein; IGFBP-2; IGFBP3; inflammation; psoriasis; pilaris;
KW growth factor mediated cell proliferation; ichthyosis; serborrhea; ruba;
KW keratosis; neoplasia; scleroderma; wart; skin cancer; sclerotic disease;
KW hyperneovascular condition; hyperplasia; kidney disease;
KW neovascular condition of the retina; ss.
XX Homo sapiens.
OS
XX WO200078341-A1.
PN
XX
XX 28-DEC-2000.
PD
XX
XX 21-JUN-2000; 2000WO-AU0000693.
PF
XX
XX 28-DEC-2000.
PD
XX
XX 21-JUN-1999; 99US-0140345P.
PR
XX
XX (MURD-) MURDOCH CHILDRENS RES INST.
PA
XX
XX Wraight CJ, Werther GA, Edmondson SR;
PI
XX
XX WPI; 2001-041421/05.
DR
XX
XX Ameliorating the effects of a disorder, e.g. psoriasis, by administering
PT UV (ultra-violet) treatment (optional) and an antisense nucleic acid that
PT inhibits or reduces growth factor mediated cell proliferation and/or
PT inflammation.
PT
XX
XX Example 8; Page 69; 201pp; English.
PS
XX
XX The present invention relates to a method for ameliorating the effects of
CC skin disorders. The method comprises contacting the skin with an
CC antisense oligonucleotide, (for Insulin-like Growth Factor [IGF]-1
CC receptor, IGF binding protein [IGFBP]-2 or IGFBP3), which is capable of
CC inhibiting or reducing growth factor mediated cell proliferation,
CC inflammation and/or other disorders. The present sequence is an
CC oligonucleotide which can be used to design the antisense
CC oligonucleotides of the present invention (see AAF45151 and AAF45153-
CC F45161). The method is useful for ameliorating the effects of psoriasis,
CC ichthyosis, pityriasis, ruba, pilaris, serborrhea, keloids, keratosis,
CC neoplasias, scleroderma, warts, benign growths, cancers of the skin, a
CC hyperneovascular condition such as a neovascular condition of the retina,
CC brain or skin, growth factor-mediated malignancies, other sclerotic
CC disease, kidney disease, hyperproliferation of the inside of blood
CC vessels or any other hyperplasia
XX
SQ Sequence 15 BP; 8 A; 2 C; 4 G; 1 T; 0 U; 0 Other;

Query Match 9.1%; Score 11.8; DB 1; Length 15;
Best Local Similarity 86.7%; Pred. No. 2.3e+02;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1391 ATCAAAGCAGGTAAA 1405
Db 1 ATCAAAGCAGGGAAA 15
|||||
RESULT 150
AAF46529
ID AAF46529 standard; DNA; 15 BP.
XX
AC AAF46529;
XX
XX 30-MAR-2001 (first entry)
DT
XX
DE IGFBP2 oligonucleotide #1368.
XX
KW Antisense therapy; antiproliferative; antiinflammatory; antipsoriatic;
KW cytostatic; dermatological; cardiant; virucide; ophthalmological; keloid;
KW skin disorder; Insulin-like Growth Factor 1 receptor; IGF-1; pityriasis;
KW IGF binding protein; antiproliferative; antiinflammatory; antipsoriatic;
KW cytostatic; dermatological; cardiant; virucide; ophthalmological; keloid;
KW skin disorder; Insulin-like Growth Factor 1 receptor; IGF-1; pityriasis;

KW IGF binding protein; IGFBP-2; IGFBP3; inflammation; psoriasis; pilaris;
KW growth factor mediated cell proliferation; ichthyosis; serborrhea; ruba;
KW keratosis; neoplasia; scleroderma; wart; skin cancer; sclerotic disease;
KW hyperneovascular condition; hyperplasia; kidney disease;
KW neovascular condition of the retina; ss.
XX Homo sapiens.
OS
XX WO200078341-A1.
PN
XX
XX 28-DEC-2000.
PD
XX
XX 21-JUN-2000; 2000WO-AU0000693.
PF
XX
XX 21-JUN-1999; 99US-0140345P.
PR
XX
XX (MURD-) MURDOCH CHILDRENS RES INST.
PA
XX
XX Wraight CJ, Werther GA, Edmondson SR;
PI
XX
XX WPI; 2001-041421/05.
DR
XX
XX Ameliorating the effects of a disorder, e.g. psoriasis, by administering
PT UV (ultra-violet) treatment (optional) and an antisense nucleic acid that
PT inhibits or reduces growth factor mediated cell proliferation and/or
PT inflammation.
PT
XX
XX Example 6; Page 43; 201pp; English.
PS
XX
XX The present invention relates to a method for ameliorating the effects of
CC skin disorders. The method comprises contacting the skin with an
CC antisense oligonucleotide, (for Insulin-like Growth Factor [IGF]-1
CC receptor, IGF binding protein [IGFBP]-2 or IGFBP3), which is capable of
CC inhibiting or reducing growth factor mediated cell proliferation,
CC inflammation and/or other disorders. The present sequence is an
CC oligonucleotide which can be used to design the antisense
CC oligonucleotides of the present invention (see AAF45151 and AAF45153-
CC F45161). The method is useful for ameliorating the effects of psoriasis,
CC ichthyosis, pityriasis, ruba, pilaris, serborrhea, keloids, keratosis,
CC neoplasias, scleroderma, warts, benign growths, cancers of the skin, a
CC hyperneovascular condition such as a neovascular condition of the retina,
CC brain or skin, growth factor-mediated malignancies, other sclerotic
CC disease, kidney disease, hyperproliferation of the inside of blood
CC vessels or any other hyperplasia
XX
SQ Sequence 15 BP; 6 A; 0 C; 5 G; 4 T; 0 U; 0 Other;

Query Match 9.1%; Score 11.8; DB 1; Length 15;
Best Local Similarity 86.7%; Pred. No. 2.3e+02;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1349 GGGAGAGAAAAATATT 1363
Db 1 GGGAGAGAGAAATTTT 15
|||||
RESULT 151
AAF48105/C
ID AAF48105 standard; DNA; 15 BP.
XX
AC AAF48105;
XX
XX 30-MAR-2001 (first entry)
DT
XX
DE IGFBP3 oligonucleotide #1525.
XX
KW Antisense therapy; antiproliferative; antiinflammatory; antipsoriatic;
KW cytostatic; dermatological; cardiant; virucide; ophthalmological; keloid;
KW skin disorder; Insulin-like Growth Factor 1 receptor; IGF-1; pityriasis;
KW IGF binding protein; IGFBP-2; IGFBP3; inflammation; psoriasis; pilaris;
KW growth factor mediated cell proliferation; ichthyosis; serborrhea; ruba;
KW keratosis; neoplasia; scleroderma; wart; skin cancer; sclerotic disease;
KW hyperneovascular condition; hyperplasia; kidney disease;

XX neovascular condition of the retina; ss.
XX Homo sapiens.
OS WO200078341-A1.
XX 28-DEC-2000.
PD 21-JUN-2000; 2000WO-AU0000693.
XX 21-JUN-1999; 99US-0140345P.
XX (MURD-) MURDOCH CHILDRENS RES INST.
PA Wright CJ, Werther GA, Edmondson SR;
XX WPI; 2001-041421/05.
XX Ameliorating the effects of a disorder, e.g. psoriasis, by administering
PT UV (ultra-violet) treatment (optional) and an antisense nucleic acid that
PT inhibits or reduces growth factor mediated cell proliferation and/or
PT inflammation.
XX Example 7; Page 54; 201pp; English.
PS The present invention relates to a method for ameliorating the effects of
XX skin disorders. The method comprises contacting the skin with an
CC antisense oligonucleotide, (for insulin-like Growth Factor [IGF]-1
CC receptor, IGF binding protein [IGFBP]-2 or IGFBP3), which is capable of
CC inhibiting or reducing growth factor mediated cell proliferation,
CC inflammation and/or other disorders. The present sequence is an
CC oligonucleotide which can be used to design the antisense
CC oligonucleotides of the present invention (see AAF45151 and AAF45153-
CC F45161). The method is useful for ameliorating the effects of psoriasis,
CC ichthyosis, pityriasis, ruba, pilaris, serborrhea, keloids, keratosis,
CC neoplasias, scleroderma, warts, benign growths, cancers of the skin, a
CC hyperneovascular condition such as a neovascular condition of the retina,
CC brain or skin, growth factor-mediated malignancies, other sclerotic
CC disease, kidney disease, hyperproliferation of the inside of blood
CC vessels or any other hyperplasia
XX
SQ Sequence 15 BP; 3 A; 2 C; 2 G; 8 T; 0 U; 0 Other;

Query Match 9.1%; Score 11.8; DB 1; Length 15;
Best Local Similarity 86.7%; Pred. No. 2.3e+02;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1432 TGCAGACATATACAT 1446
Db 15 TGAAGACATAAACAT 1

RESULT 152
ABK32166/c
ID ABK32166 standard; DNA; 15 BP.
XX
AC ABK32166;
XX 23-APR-2002 (first entry)
DT
XX Human colon cancer SAGE tag #267.
DE
XX Human; colon cancer; colorectal cancer; pancreatic cancer; SAGE tag;
KW serial analysis of gene expression; diagnostic; prognostic; probe;
KW cancer marker; ss.
XX
OS Homo sapiens.
XX
XX US6333152-B1.
PN
XX 25-DEC-2001.
PD
XX 20-MAY-1998; 98US-00081646.
PF

XX 20-MAY-1998; 98US-00081646.
PR (UYJO) UNIV JOHNS HOPKINS.
XX Vogelstein B, Kinzler KW, Zhang L, Zhou W;
PI WPI; 2002-153821/20.
XX
DR New human nucleic acid containing specific SAGE tags, useful as
XX diagnostic markers for cancer, also derived probes.
PT
XX Disclosure; Col 32; 161pp; English.
PS
XX The invention relates to an isolated, purified human nucleic acid (I)
CC that has the same sequence as a mRNA found in humans and is a SAGE
CC (serial analysis of gene expression) tag comprising a single stranded
CC probe containing at least 10 consecutive nucleotides. SAGE tags, are
CC diagnostic and prognostic markers of cancer, especially of the colon and
CC pancreas. ABK31900-ABK32770 represent human colon and pancreatic cancer
CC SAGE tags of the invention
XX
SQ Sequence 15 BP; 3 A; 4 C; 2 G; 6 T; 0 U; 0 Other;

Query Match 9.1%; Score 11.8; DB 1; Length 15;
Best Local Similarity 86.7%; Pred. No. 2.3e+02;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1433 GCAGACATATACATG 1447
Db 15 GTAGACAGATACATG 1

RESULT 153
AAN70234
ID AAN70234 standard; DNA; 16 BP.
XX
AC AAN70234;
XX 03-OCT-2002 (revised)
DT 15-APR-1991 (first entry)
DT
XX Sequence of domain comprising at least one restriction site in plasmid
DE capable of replication in Bacillus strains.
DE
XX Bacillus expression plasmid; ss.
KW
XX Synthetic.
OS
XX BP224294-A.
PN
XX 03-JUN-1987.
PD
XX 10-NOV-1986; 86EP-00201951.
PF
XX 08-NOV-1985; 85NL-00003074.
PR
XX (KONN) GIST-BROCADES NV.
PA
XX Vanee JH, Huygens AV;
PI
XX WPI; 1987-151763/22.
DR
XX New plasmid capable of replication in Bacillus strains - useful in
PT evaluating regulatory or signal sequences for expression of hybrid gene.
PT
XX Claim 2A; p19; 26pp; English.
PS
XX The patent application claims a plasmid contg. a restriction site, (a
CC promoter region), an RBS and a signal sequence. The plasmid when
CC introduced into a Bacillus host is useful for determining the efficiency
CC of functional element(s) in the prodn. of a peptide. (Updated on 03-OCT-
CC 2002 to add missing OS field.)


```
XX
SQ Sequence 16 BP; 5 A; 2 C; 6 G; 3 T; 0 U; 0 Other;

Query Match          9.1%; Score 11.8; DB 1; Length 16;
Best Local Similarity 86.7%; Pred. No. 2.5e+02;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1390 GATCAAGGAGGTAA 1404
    ||||| ||||| |||||
Db 1 GATCCAAGGAGGTGA 15

RESULT 154
AAQ83356/c
ID AAQ83356 standard; DNA; 16 BP.
XX
AC AAQ83356;
XX
DT 25-MAR-2003 (revised)
DT 20-SEP-1995 (first entry)
XX
DE jub-B antisense oligonucleotide.
XX
KW c-jun; c-fos; jun-B; neuronal injury; cell death; neoplasm; antisense;
KW phosphorothioate; ss.
XX
OS Synthetic.
XX
PN WO9502051-A2.
XX
PD 19-JAN-1995.
XX
PF 06-JUL-1994; 94WO-EP002218.
XX
PR 10-JUL-1993; 93EP-00111059.
XX
PA (BIOG-) BIOGNOSTIK GES BIOMOLEKULARE DIAGNOSTIK.
XX
PI Schlingensiepen G, Schlingensiepen R, Schlingensiepen K, Brysch W;
XX WPI; 1995-066896/09.
DR
XX Use of antisense c-jun, c-fos or jun-B nucleic acids - for preventing and
PT treating neuronal injury, degeneration, cell death and/or neoplasms.
PT
XX Claim 2; Page 45; 86pp; English.
XX
CC Antisense nucleic acid hybridising with an area of the mRNA and/or DNA
CC comprising the genes c-jun, jun-B or c-fos, expression of which plays a
CC causal role in neuronal injury, degeneration, cell death and/ or
CC neoplasms, can be used to prevent and treat such conditions. c-jun
CC antisense sequences are described in AAQ83267-321 and AAQ83440-43; jun-B
CC antisense sequences are described in AAQ83322-63 and AAQ83444-45; and c-
CC fos antisense sequences are described in AAQ83364-439 and AAQ83446- 51.
CC Preferably the antisense sequences are phosphorothioate oligonucleotides
CC since these are not destroyed as fast by endogenous factors as naturally
CC occurring molecules. (Updated on 25-MAR-2003 to correct PN field.)
XX
SQ Sequence 16 BP; 2 A; 3 C; 4 G; 7 T; 0 U; 0 Other;

Query Match          9.1%; Score 11.8; DB 1; Length 16;
Best Local Similarity 86.7%; Pred. No. 2.5e+02;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1438 CATATACATGGAAGA 1452
    ||||| ||||| |||||
Db 15 CATCAACATGGAAGA 1

RESULT 155
AAT36420/c
ID AAT36420 standard; DNA; 16 BP.
XX
```

```
AC AAT36420;
XX
DT 15-APR-1997 (first entry)
XX
DE Human papillomavirus 34 (HPV34) E6 gene 3' primer.
XX
KW Human papillomavirus; HPV; oncogene; cervical cancer; neoplasia; probe;
KW detection amplification; diagnosis; prognosis; high risk; low risk;
KW ELISA; enzyme-linked immunosorbent assay; PCR; primer;
KW polymerase chain reaction; ss.
XX
OS Synthetic.
XX
PN WO9625521-A1.
XX
PD 22-AUG-1996.
XX
PF 16-FEB-1996; 96WO-US002130.
XX
PR 17-FEB-1995; 95US-00390684.
PR 07-JUN-1995; 95US-00479777.
XX
PA (UYCO ) UNIV COLUMBIA NEW YORK.
XX
XX Silverstein SJ, Lungu O, Wright TC, Richart RM;
XX WPI; 1996-393421/39.
XX
PT Detecting high oncogenic potential human papilloma virus strains - by
PT specific PCR of nucleic acid in cervical cells, reacting amplified prod.
PT with specific probe and detecting bound probe by ELISA.
XX
PS Claim 10; Page 21; 56pp; English.
XX
CC AAT36418-T36420 are a 5' primer, probe and 3' primer, respectively, used
CC for the amplification and detection of human papillomavirus 34 (HPV34) E6
CC gene. The E6 gene product is implicated in human papillomavirus
CC carcinogenesis and therefore should be present in all HPV related
CC cervical carcinomas. The primers and probe are used in a PCR/ELISA method
CC for the diagnosis of HPV34 in a sample. HPV34 is a low-risk oncogenic HPV
CC type, detection of the E6 gene in a sample indicates only a low risk of
CC cervical cancer development. Primers and probes for high-risk HPV types
CC (HPV16, HPV18, HPV35, etc.) are also used in the same PCR/ELISA method
CC for diagnosis of oncogenic potential of a cervical smear. The probes and
CC primers are also useful for diagnosing cervical cancer and high grade
CC cervical lesions
XX
SQ Sequence 16 BP; 6 A; 0 C; 3 G; 7 T; 0 U; 0 Other;

Query Match          9.1%; Score 11.8; DB 1; Length 16;
Best Local Similarity 86.7%; Pred. No. 2.5e+02;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1353 AGAAAAATATTCAC 1367
    ||||| ||||| |||||
Db 15 ATAAAAATATTCAC 1

RESULT 156
ABZ34141
ID ABZ34141 standard; DNA; 16 BP.
XX
AC ABZ34141;
XX
DT 31-JAN-2003 (first entry)
XX
DE HIV-1 reverse transcriptase mutation detection probe SEQ ID NO:383.
XX
KW Human immunodeficiency virus; HIV; reverse transcriptase; RT; enzyme;
KW detection; mutation; anti-HIV drug resistance; polymorphism; resistance;
KW probe; ss.
XX
OS Human immunodeficiency virus 1.
```

```
OS Synthetic.
XX WO200255741-A2.
PN
XX
XX 18-JUL-2002.
PD
XX
XX 09-JAN-2002; 2002WO-EP000153.
PF
XX
XX 11-JAN-2001; 2001EP-00870005.
PR
XX 20-APR-2001; 2001EP-00870085.
PR
XX 24-APR-2001; 2001US-0286102P.
XX
XX (INNO-) INNOGENETICS NV.
PA
XX De Smet K, Stuyver L;
XX WPI; 2002-590580/63.
DR
XX
XX Detecting mutations associated with anti-HIV drug resistance comprises
PT detecting at least one of the mutations in the HIV reverse transcriptase
PT gene by using probes optimized to function together in a reverse-
PT hybridization assay.
XX
XX Claim 2; Page 26; 117pp; English.
PS
XX
XX The present invention describes a method for detecting mutations
CC associated with anti-HIV drug resistance in a patient by detecting at
CC least one of the mutations K103N/R, V106A/I/L, Y181C/I, M184V/I, Y188L,
CC G190A/S/R, T215Y/F/D/S/A and/or Q151M/L in the reverse transcriptase (RT)
CC of HIV strains in a biological sample using a specific set of probes
CC optimised to function together in a reverse-hybridisation assay. The
CC method and the nucleic acid sequences used in the method are useful for
CC determining viral mutations and/or polymorphisms in the HIV RT gene
CC associated with resistance. The probes are useful for the genetic
CC detection, preferably in vitro detection of the mutations K103N/R,
CC V106A/I/L, Y181C/I, Q151M/L, M184V/I, Y188L, G190A/S/R and/or
CC T215Y/F/D/S/A in the RT of HIV strains in a biological sample, where the
CC mutation is associated with anti-HIV drug resistance. The method provides
CC a rapid, reliable and precise assay or determination and monitoring of
CC antiviral drug resistance or mutations associated with drug resistance of
CC viruses containing RT genes. ABZ33759 to ABZ34642 represent HIV RT
CC sequences and probes which are used in the exemplification of the present
CC invention
XX
XX Sequence 16 BP; 7 A; 1 C; 4 G; 4 T; 0 U; 0 Other;
SQ
Query Match 9.1%; Score 11.8; DB 1; Length 16;
Best Local Similarity 86.7%; Pred. No. 2.5e+02;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
QY 1441 ATACATGGAGATGG 1455
Db 2 ATACATAGATGATGG 16
RESULT 157
ABF89702/c
ID ABF89702 standard; DNA; 13 BP.
XX
XX ABF89702;
AC
XX 22-FEB-2002 (first entry)
DT
XX Oligonucleotide SEQ ID NO 189699 for detecting SNP TSC0046671.
DE
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
OS
XX WO200177384-A2.
PN
XX
```

```
PD 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
PF
XX
XX 07-APR-2000; 2000DE-01019173.
PR
XX (EPIG-) EPIGENOMICS AG.
PA
XX Olek A, Piepenbrock C, Berlin K;
PI WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 189699; 29pp + Sequence Listing; German.
PS
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 3 A; 0 C; 3 G; 6 T; 0 U; 1 Other;
SQ
Query Match 8.9%; Score 11.6; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 2.1e+02;
Matches 11; Conservative 1; Mismatches 0; Indels 0; Gaps 0;
QY 1354 GAAAAATATTCC 1365
Db 13 RAAAAATATTCC 2
RESULT 158
ABF89703
ID ABF89703 standard; DNA; 13 BP.
XX
XX ABF89703;
AC
XX 22-FEB-2002 (first entry)
DT
XX Oligonucleotide SEQ ID NO 189700 for detecting SNP TSC0046671.
DE
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
OS
XX WO200177384-A2.
PN
XX 18-OCT-2001.
PD
XX 06-APR-2001; 2001WO-IB000713.
PF
XX 07-APR-2000; 2000DE-01019173.
PR
XX (EPIG-) EPIGENOMICS AG.
PA
XX Olek A, Piepenbrock C, Berlin K;
PI WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
```



```
Db      1 GGTAAATTTT 13
RESULT 161
ABC64446
ID      ABC64446 standard; DNA; 13 BP.
XX
AC      ABC64446;
XX
DT      21-FEB-2002 (first entry)
XX
DE      Oligonucleotide SEQ ID NO 64463 for detecting SNP TSC0017001.
XX
KW      SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW      peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW      central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS      Homo sapiens.
XX
PN      WO200177384-A2.
XX
PD      18-OCT-2001.
XX
PF      06-APR-2001; 2001WO-IB0000713.
XX
PR      07-APR-2000; 2000DE-01019173.
XX
PA      (EPIG-) EPIGENOMICS AG.
XX
PI      Olek A, Piepenbrock C, Berlin K;
XX
DR      WPI; 2001-657177/75.
XX
PT      Set of oligonucleotides, useful for diagnosis and cell typing, is
PT      designed to detect single-nucleotide polymorphisms and cytosine
PT      methylation status.
XX
PS      Claim 1; SEQ ID NO 64463; 29pp + Sequence Listing; German.
XX
CC      This invention describes novel oligonucleotide primers or peptide nucleic
CC      acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC      and cytosine methylation status in chemically pretreated genomic DNA. The
CC      oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC      range of diseases including immune system, gastrointestinal, respiratory,
CC      central nervous system, cardiovascular and metabolic disorders. The
CC      oligomers are also used for detecting cell type differentiation. ABC00010
CC      -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC      represent the oligomers described in the invention. NOTE: The sequence
CC      data for this patent did not form part of the printed specification, but
CC      was obtained in electronic format from WIPO at
CC      ftp.wipo.int/pub/published_pct_sequences
XX
SQ      Sequence 13 BP; 4 A; 0 C; 2 G; 7 T; 0 U; 0 Other;
      Query Match      8.8%; Score 11.4; DB 1; Length 13;
      Best Local Similarity 92.3%; Pred. No. 2.3e+02;
      Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      1407 TTGTTAATGATGA 1419
Db      1 TTTTAAATGATGA 13
RESULT 162
ABF36995
ID      ABF36995 standard; DNA; 13 BP.
XX
AC      ABF36995;
XX
DT      21-FEB-2002 (first entry)
XX
DE      Oligonucleotide SEQ ID NO 136992 for detecting SNP TSC0034234.
XX
KW      SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW      peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW      central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS      Homo sapiens.
XX
PN      WO200177384-A2.
XX
PD      18-OCT-2001.
XX
PF      06-APR-2001; 2001WO-IB0000713.
XX
PR      07-APR-2000; 2000DE-01019173.
XX
PA      (EPIG-) EPIGENOMICS AG.
XX
PI      Olek A, Piepenbrock C, Berlin K;
XX
DR      WPI; 2001-657177/75.
XX
PT      Set of oligonucleotides, useful for diagnosis and cell typing, is
PT      designed to detect single-nucleotide polymorphisms and cytosine
PT      methylation status.
XX
PS      Claim 1; SEQ ID NO 64463; 29pp + Sequence Listing; German.
XX
CC      This invention describes novel oligonucleotide primers or peptide nucleic
CC      acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC      and cytosine methylation status in chemically pretreated genomic DNA. The
CC      oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC      range of diseases including immune system, gastrointestinal, respiratory,
CC      central nervous system, cardiovascular and metabolic disorders. The
CC      oligomers are also used for detecting cell type differentiation. ABC00010
CC      -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC      represent the oligomers described in the invention. NOTE: The sequence
CC      data for this patent did not form part of the printed specification, but
CC      was obtained in electronic format from WIPO at
CC      ftp.wipo.int/pub/published_pct_sequences
XX
SQ      Sequence 13 BP; 4 A; 0 C; 2 G; 7 T; 0 U; 0 Other;
      Query Match      8.8%; Score 11.4; DB 1; Length 13;
      Best Local Similarity 92.3%; Pred. No. 2.3e+02;
      Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      1407 TTGTTAATGATGA 1419
Db      1 TTTTAAATGATGA 13
RESULT 163
ABF38956
ID      ABF38956 standard; DNA; 13 BP.
XX
AC      ABF38956;
XX
DT      21-FEB-2002 (first entry)
XX
DE      Oligonucleotide SEQ ID NO 138953 for detecting SNP TSC0034809.
XX
KW      SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW      peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW      central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS      Homo sapiens.
XX
PN      WO200177384-A2.
XX
PD      18-OCT-2001.
XX
PF      06-APR-2001; 2001WO-IB0000713.
XX
PR      07-APR-2000; 2000DE-01019173.
XX
KW      SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW      peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW      central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS      Homo sapiens.
XX
PN      WO200177384-A2.
XX
PD      18-OCT-2001.
XX
PF      06-APR-2001; 2001WO-IB0000713.
XX
PR      07-APR-2000; 2000DE-01019173.
XX
```


XX (EPIG-) EPIGENOMICS AG.
PA Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
DR Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
PT Claim 1; SEQ ID NO 138953; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 6 A; 0 C; 3 G; 4 T; 0 U; 0 Other;

Query Match 8.8%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 2.3e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1403 AAAATTGTTAATG 1415
Db 1 AAAATTGTTAAGG 13

RESULT 164
ABF72422
ID ABF72422 standard; DNA; 13 BP.
XX
AC ABF72422;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 172419 for detecting SNP TSC0042981.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
AC ABF72422;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 172419 for detecting SNP TSC0042981.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 172419; 29pp + Sequence Listing; German.
XX

CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 3 A; 0 C; 3 G; 7 T; 0 U; 0 Other;

Query Match 8.8%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 2.3e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1406 ATGTTAATGATG 1418
Db 1 ATGTTAATGTTG 13

RESULT 165
ABF50145
ID ABF50145 standard; DNA; 13 BP.
XX
AC ABF50145;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 150142 for detecting SNP TSC0037898.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 150142; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX

```
SQ Sequence 13 BP; 9 A; 1 C; 0 G; 3 T; 0 U; 0 Other;
Query Match      8.8%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 2.3e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1352 AAGAAAAAATATTC 1364
Db 1 AAAAAAAATATTC 13

RESULT 166
ABF61092
ID ABF61092 standard; DNA; 13 BP.
XX
AC ABF61092;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 161089 for detecting SNP TSC0040557.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
AC ABF61092;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 161089 for detecting SNP TSC0040557.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 161089; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABT00010-ABT82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 5 A; 0 C; 2 G; 6 T; 0 U; 0 Other;
Query Match      8.8%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 2.3e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1403 AAAATTGTTAATG 1415
Db 1 AAAATTGTTAATG 13

RESULT 167
ABF89809
ID ABF89809 standard; DNA; 13 BP.
XX
AC ABF89809;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 189806 for detecting SNP TSC0046704.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 189806; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABT00010-ABT82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 5 A; 4 C; 1 G; 3 T; 0 U; 0 Other;
Query Match      8.8%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 2.3e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1356 AAAATATTCACG 1368
Db 1 ACAATATTCACG 13

RESULT 168
ABF66937/c
ID ABF66937 standard; DNA; 13 BP.
XX
AC ABF66937;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 66954 for detecting SNP TSC0017542.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
```

XX WO200177384-A2.
PN
XX
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB0000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 66954; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 3 A; 6 C; 0 G; 4 T; 0 U; 0 Other;
SQ
Query Match 8.8%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 2.3e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1447 GGAAGATGGGTTG 1459
Db 13 GGAAATGGGTTG 1
RESULT 169
ABF37727/c
ID ABF37727 standard; DNA; 13 BP.
XX
AC ABF37727;
XX
XX 21-FEB-2002 (first entry)
DT
XX Oligonucleotide SEQ ID NO 137724 for detecting SNP TSC0034420.
DE
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB0000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX

DR WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 137724; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
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CC central nervous system, cardiovascular and metabolic disorders. The
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CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
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CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 4 A; 2 C; 0 G; 7 T; 0 U; 0 Other;
SQ
Query Match 8.8%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 2.3e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1401 GTAAATTTGTTAA 1413
Db 13 GAAATTTGTTAA 1
RESULT 170
ABF54799
ID ABF54799 standard; DNA; 13 BP.
XX
AC ABF54799;
XX
XX 21-FEB-2002 (first entry)
DT
XX Oligonucleotide SEQ ID NO 154796 for detecting SNP TSC0009515.
DE
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB0000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 154796; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC

CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 8 A; 1 C; 0 G; 4 T; 0 U; 0 Other;

Query Match 8.8%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 2.3e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1352 AAGAAAAATATTC 1364
Db 1 AATAAAAAATATTC 13

RESULT 171
ABC99864
ID ABC99864 standard; DNA; 13 BP.
XX
AC ABC99864;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 99881 for detecting SNP TSC0024826.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 99881; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 5 A; 0 C; 1 G; 7 T; 0 U; 0 Other;

Query Match 8.8%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 2.3e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1402 TAAATTTGTTAAT 1414
Db 1 TAAATTTGTTAAT 13

RESULT 172
ABH21402
ID ABH21402 standard; DNA; 13 BP.
XX
AC ABH21402;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 221379 for detecting SNP TSC0053879.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 221379; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 7 A; 0 C; 6 G; 0 T; 0 U; 0 Other;

Query Match 8.8%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 2.3e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1347 AGGGGAAGAAAA 1359
Db 1 AGGGGAAGAAAA 13

RESULT 173
ABC63923/c
ID ABC63923 standard; DNA; 13 BP.
XX
AC ABC63923;
XX
DT 21-FEB-2002 (first entry)

XX DE Oligonucleotide SEQ ID NO 63940 for detecting SNP TSC0016878.
XX DE
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX XX
XX PD 18-OCT-2001.
XX XX
XX PF 06-APR-2001; 2001WO-IB0000713.
XX XX
XX PR 07-APR-2000; 2000DE-01019173.
XX XX
XX PA (EPIG-) EPIGENOMICS AG.
XX XX
XX PI Olek A, Piepenbrock C, Berlin K;
XX XX WPI; 2001-657177/75.
XX DR Set of oligonucleotides, useful for diagnosis and cell typing, is
XX PT designed to detect single-nucleotide polymorphisms and cytosine
XX PT methylation status.
XX XX
XX PS Claim 1; SEQ ID NO 63940; 29pp + Sequence Listing; German.
XX XX
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX XX
XX SQ Sequence 13 BP; 7 A; 3 C; 0 G; 3 T; 0 U; 0 Other;
XX
XX CC Query Match 8.8%; Score 11.4; DB 1; Length 13;
XX CC Best Local Similarity 92.3%; Pred. No. 2.3e+02;
XX CC Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
XX QY 1407 TTGTTAATGATGA 1419
XX DB 13 TTGTTAATGTTGA 1
XX
XX RESULT 174
XX ABF45726
XX ID ABF45726 standard; DNA; 13 BP.
XX XX
XX AC ABF45726;
XX XX
XX DT 21-FEB-2002 (first entry)
XX XX
XX DE Oligonucleotide SEQ ID NO 145723 for detecting SNP TSC0036706.
XX XX
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS
XX OS Homo sapiens.
XX XX
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX XX

PF 06-APR-2001; 2001WO-IB0000713.
XX XX
XX PR 07-APR-2000; 2000DE-01019173.
XX XX
XX PA (EPIG-) EPIGENOMICS AG.
XX XX
XX PI Olek A, Piepenbrock C, Berlin K;
XX XX WPI; 2001-657177/75.
XX DR Set of oligonucleotides, useful for diagnosis and cell typing, is
XX PT designed to detect single-nucleotide polymorphisms and cytosine
XX PT methylation status.
XX XX
XX PS Claim 1; SEQ ID NO 145723; 29pp + Sequence Listing; German.
XX XX
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX XX
XX SQ Sequence 13 BP; 5 A; 0 C; 3 G; 5 T; 0 U; 0 Other;
XX
XX QY 1406 ATTGTTAATGATG 1418
XX DB 1 ATTGTTAATGAAG 13
XX
XX RESULT 175
XX ABF54798/C
XX ID ABF54798 standard; DNA; 13 BP.
XX XX
XX AC ABF54798;
XX XX
XX DT 21-FEB-2002 (first entry)
XX XX
XX DE Oligonucleotide SEQ ID NO 154795 for detecting SNP TSC0009515.
XX XX
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS
XX OS Homo sapiens.
XX XX
XX PN WO200177384-A2.
XX XX
XX PD 18-OCT-2001.
XX XX
XX PF 06-APR-2001; 2001WO-IB0000713.
XX XX
XX PR 07-APR-2000; 2000DE-01019173.
XX XX
XX PA (EPIG-) EPIGENOMICS AG.
XX XX
XX PI Olek A, Piepenbrock C, Berlin K;
XX XX WPI; 2001-657177/75.
XX DR Set of oligonucleotides, useful for diagnosis and cell typing, is
XX PT designed to detect single-nucleotide polymorphisms and cytosine
XX PT methylation status.

XX PS Claim 1; SEQ ID NO 154795; 29pp + Sequence Listing; German.

XX CC This invention describes novel oligonucleotide primers or peptide nucleic

CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)

CC and cytosine methylation status in chemically pretreated genomic DNA. The

CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a

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CC central nervous system, cardiovascular and metabolic disorders. The

CC oligomers are also used for detecting cell type differentiation. ABC00010

CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073

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CC ftp.wipo.int/pub/published_pct_sequences

XX SQ Sequence 13 BP; 4 A; 0 C; 1 G; 8 T; 0 U; 0 Other;

Query Match 8.8%; Score 11.4; DB 1; Length 13;

Best Local Similarity 92.3%; Pred. No. 2.3e+02;

Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1352 AAGAAAAATATTC 1364

DB 13 AATAAAATATTC 1

RESULT 176

ABF37376

ID ABF37376 standard; DNA; 13 BP.

XX AC ABF37376;

XX DT 21-FEB-2002 (first entry)

XX DE Oligonucleotide SEQ ID NO 137373 for detecting SNP TSC0034317.

XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;

KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;

KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX OS Homo sapiens.

XX PN WO200177384-A2.

XX PD 18-OCT-2001.

XX PF 06-APR-2001; 2001WO-IB000713.

XX PR 07-APR-2000; 2000DE-01019173.

XX PA (EPIG-) EPIGENOMICS AG.

XX PI Olek A, Piepenbrock C, Berlin K;

XX DR WPI; 2001-657177/75.

XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is

PT designed to detect single-nucleotide polymorphisms and cytosine

PT methylation status.

XX PS Claim 1; SEQ ID NO 137373; 29pp + Sequence Listing; German.

XX CC This invention describes novel oligonucleotide primers or peptide nucleic

CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)

CC and cytosine methylation status in chemically pretreated genomic DNA. The

CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a

CC range of diseases including immune system, gastrointestinal, respiratory,

CC central nervous system, cardiovascular and metabolic disorders. The

CC oligomers are also used for detecting cell type differentiation. ABC00010

CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073

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CC ftp.wipo.int/pub/published_pct_sequences

XX SQ Sequence 13 BP; 6 A; 0 C; 3 G; 4 T; 0 U; 0 Other;

Query Match 8.8%; Score 11.4; DB 1; Length 13;

Best Local Similarity 92.3%; Pred. No. 2.3e+02;

Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1396 AGGAGGTAAATTT 1408

DB 1 AGTAGGTAAATTT 13

RESULT 177

ABF45727/C

ID ABF45727 standard; DNA; 13 BP.

XX AC ABF45727;

XX DT 21-FEB-2002 (first entry)

XX DE Oligonucleotide SEQ ID NO 145724 for detecting SNP TSC0036706.

XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;

KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;

KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX OS Homo sapiens.

XX PN WO200177384-A2.

XX PD 18-OCT-2001.

XX PF 06-APR-2001; 2001WO-IB000713.

XX PR 07-APR-2000; 2000DE-01019173.

XX PA (EPIG-) EPIGENOMICS AG.

XX PI Olek A, Piepenbrock C, Berlin K;

XX DR WPI; 2001-657177/75.

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XX PS Claim 1; SEQ ID NO 145724; 29pp + Sequence Listing; German.

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CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073

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CC ftp.wipo.int/pub/published_pct_sequences

XX SQ Sequence 13 BP; 5 A; 3 C; 0 G; 5 T; 0 U; 0 Other;

Query Match 8.8%; Score 11.4; DB 1; Length 13;

Best Local Similarity 92.3%; Pred. No. 2.3e+02;

Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1406 ATTGTTAATGATG 1418

DB 13 ATTGTTAATGAAG 1

RESULT 178
ABF71586
ID ABF71586 standard; DNA; 13 BP.
XX
AC ABF71586;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 171583 for detecting SNP TSC0042775.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
DR
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PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 171583; 29pp + Sequence Listing; German.
XX
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CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
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CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
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XX
SQ Sequence 13 BP; 6 A; 0 C; 2 G; 5 T; 0 U; 0 Other;
XX
Query Match 8.8%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 2.3e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1405 AATTGTTAATGAT 1417
DB 1 AATAGTTAATGAT 13
RESULT 179
ABC44773/c
ID ABC44773 standard; DNA; 13 BP.
XX
AC ABC44773;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 44790 for detecting SNP TSC0013109.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX WO200177384-A2.
PN
XX 18-OCT-2001.
PD
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
DR
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PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 44790; 29pp + Sequence Listing; German.
XX
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CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
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CC central nervous system, cardiovascular and metabolic disorders. The
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CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
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XX
SQ Sequence 13 BP; 2 A; 4 C; 0 G; 7 T; 0 U; 0 Other;
XX
Query Match 8.8%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 2.3e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1394 AAAGGAGGTAATA 1406
DB 13 AAAGGAGGTAATA 1
RESULT 180
ABC56883/c
ID ABC56883 standard; DNA; 13 BP.
XX
AC ABC56883;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 56900 for detecting SNP TSC0015400.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.

XX
PI Olek A, Piepenbrock C, Berlin K;
DR WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 56900; 29pp + Sequence Listing; German.
PS
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
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CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 4 A; 2 C; 0 G; 7 T; 0 U; 0 Other;

Query Match 8.8%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 2.3e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1403 AAAATGTTAATG 1415
DB 13 AAAATGTTAATG 1

RESULT 181
ABF36994/c
ID ABF36994 standard; DNA; 13 BP.
XX
AC ABF36994;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 136991 for detecting SNP TSC0034234.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
AC ABF36994;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 136991 for detecting SNP TSC0034234.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB0000713.
XX
XX 07-APR-2000; 2000DE-01019173.
PR (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
PI WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 136991; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)

CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 2 A; 1 C; 5 G; 5 T; 0 U; 0 Other;

Query Match 8.8%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 2.3e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1361 ATTCCACGCATCA 1373
DB 13 AATCCACGCATCA 1

RESULT 182
ABH23979
ID ABH23979 standard; DNA; 13 BP.
XX
AC ABH23979;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 223956 for detecting SNP TSC0054559.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB0000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX (EPIG-) EPIGENOMICS AG.
PA Olek A, Piepenbrock C, Berlin K;
PI WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 223956; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 7 A; 2 C; 0 G; 4 T; 0 U; 0 Other;

Query Match 8.8%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 2.3e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1355 AAAAATATTCCAC 1367
Db 1 AAAAATATTCTAC 13

RESULT 183
ABC64653/C
ID ABC64653 standard; DNA; 13 BP.
XX
AC ABC64653;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 64670 for detecting SNP TSC0017054.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
AC ABC64653;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 64670 for detecting SNP TSC0017054.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP) and cytosine methylation status in chemically pretreated genomic DNA. The oligonucleotides are used for diagnosis and/or prognosis of cancer and a range of diseases including immune system, gastrointestinal, respiratory, central nervous system, cardiovascular and metabolic disorders. The oligomers are also used for detecting cell type differentiation. ABC00010 -ABC99989, ABF0010-ABF99989, ABH0010-ABH99989 and ABI0010-ABI82073 represent the oligomers described in the invention. NOTE: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format from WIPO at ftp.wipo.int/pub/published_pct_sequences

Claim 1; SEQ ID NO 64670; 29pp + Sequence Listing; German.

XX
PS Sequence 13 BP; 0 A; 4 C; 0 G; 9 T; 0 U; 0 Other;
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP) and cytosine methylation status in chemically pretreated genomic DNA. The oligonucleotides are used for diagnosis and/or prognosis of cancer and a range of diseases including immune system, gastrointestinal, respiratory, central nervous system, cardiovascular and metabolic disorders. The oligomers are also used for detecting cell type differentiation. ABC00010 -ABC99989, ABF0010-ABF99989, ABH0010-ABH99989 and ABI0010-ABI82073 represent the oligomers described in the invention. NOTE: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format from WIPO at ftp.wipo.int/pub/published_pct_sequences

Query Match 8.8%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 2.3e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1347 AGGGGAAGAAAA 1359
Db 13 AGGGGAAGAAAAA 1

RESULT 184
ABF73480/C
ID ABF73480 standard; DNA; 13 BP.
XX

AC ABF73480;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 173477 for detecting SNP TSC0043213.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP) and cytosine methylation status in chemically pretreated genomic DNA. The oligonucleotides are used for diagnosis and/or prognosis of cancer and a range of diseases including immune system, gastrointestinal, respiratory, central nervous system, cardiovascular and metabolic disorders. The oligomers are also used for detecting cell type differentiation. ABC00010 -ABC99989, ABF0010-ABF99989, ABH0010-ABH99989 and ABI0010-ABI82073 represent the oligomers described in the invention. NOTE: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format from WIPO at ftp.wipo.int/pub/published_pct_sequences

Claim 1; SEQ ID NO 173477; 29pp + Sequence Listing; German.

XX
PS Sequence 13 BP; 2 A; 1 C; 4 G; 6 T; 0 U; 0 Other;
XX
SQ Query Match 8.8%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 2.3e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1356 AAAATATTCCACG 1368
Db 13 AAAATACTCCACG 1

RESULT 185
ABF54361/C
ID ABF54361 standard; DNA; 13 BP.
XX
AC ABF54361;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 154358 for detecting SNP TSC0039007.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.

```
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB0000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX DR WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 154358; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX SQ Sequence 13 BP; 3 A; 6 C; 0 G; 4 T; 0 U; 0 Other;
Query Match 8.8%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 2.3e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1447 GGAAGATGGGTTG 1459
DB 13 GAAAGATGGGTTG 1
RESULT 186
ABF37377/C
ID ABF37377 standard; DNA; 13 BP.
XX
AC ABF37377;
XX 21-FEB-2002 (first entry)
XX Oligonucleotide SEQ ID NO 137374 for detecting SNP TSC0034317.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX Homo sapiens.
XX WO200177384-A2.
XX 18-OCT-2001.
XX 06-APR-2001; 2001WO-IB0000713.
XX 07-APR-2000; 2000DE-01019173.
XX (EPIG-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX
```

```
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 137374; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX SQ Sequence 13 BP; 4 A; 3 C; 0 G; 6 T; 0 U; 0 Other;
Query Match 8.8%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 2.3e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1396 AGGAGGTAAATT 1408
DB 13 AGTAGGTAAATT 1
RESULT 187
ABF71587/C
ID ABF71587 standard; DNA; 13 BP.
XX
AC ABF71587;
XX 22-FEB-2002 (first entry)
XX Oligonucleotide SEQ ID NO 171584 for detecting SNP TSC0042775.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX Homo sapiens.
XX WO200177384-A2.
XX 18-OCT-2001.
XX 06-APR-2001; 2001WO-IB0000713.
XX 07-APR-2000; 2000DE-01019173.
XX (EPIG-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 171584; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
```

CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 5 A; 2 C; 0 G; 6 T; 0 U; 0 Other;

Query Match 8.8%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 2.3e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1405 AATTGTTAATGAT 1417
DB 13 AATAGTTAATGAT 1

RESULT 188
ABF54360
ID ABF54360 standard; DNA; 13 BP.
XX
AC ABF54360;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 154357 for detecting SNP TSC0039007.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 154357 for detecting SNP TSC0039007.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 154357; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 4 A; 0 C; 6 G; 3 T; 0 U; 0 Other;

Query Match 8.8%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 2.3e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1447 GGAAGATGGGTG 1459

Db 1 GAAAGATGGGTG 13

RESULT 189
ABF38957/c
ID ABF38957 standard; DNA; 13 BP.
XX
AC ABF38957;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 138954 for detecting SNP TSC0034809.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 138954; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 4 A; 3 C; 0 G; 6 T; 0 U; 0 Other;

Query Match 8.8%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 2.3e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1403 AAAATTGTTAATG 1415
DB 13 AAAATTGTTAAGG 1

RESULT 190
ABF51705/c
ID ABF51705 standard; DNA; 13 BP.
XX
AC ABF51705;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 151702 for detecting SNP TSC0038332.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
XX
PD 18-OCT-2001.
XX
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
DR
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 151702; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
PS Sequence 13 BP; 6 A; 2 C; 0 G; 5 T; 0 U; 0 Other;
XX
XX Query Match 8.8%; Score 11.4; DB 1; Length 13;
XX Best Local Similarity 92.3%; Pred. No. 2.3e+02;
XX Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1400 GGTAAAATTGTTA 1412
Db 13 GTTAAAATTGTTA 1

RESULT 191
ABH37073/c
ID ABH37073 standard; DNA; 13 BP.
XX
XX AC ABH37073;
XX
XX 22-FEB-2002 (first entry)
DT
DE Oligonucleotide SEQ ID NO 237050 for detecting SNP TSC0057828.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
PD
XX
XX 06-APR-2001; 2001WO-IB000713.
PF
XX

PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
DR
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 237050; 29pp + Sequence Listing; German.
PS
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 5 A; 3 C; 1 G; 4 T; 0 U; 0 Other;

Query Match 8.8%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 2.3e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1406 ATTGTTAATGATG 1418
Db 13 ATTGTTAATGATG 1

RESULT 192
ABC59923/c
ID ABC59923 standard; DNA; 13 BP.
XX
XX AC ABC59923;
XX
XX 21-FEB-2002 (first entry)
DT
XX Oligonucleotide SEQ ID NO 59940 for detecting SNP TSC0016022.
DE
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
PD
XX
XX 06-APR-2001; 2001WO-IB000713.
PF
XX
XX 07-APR-2000; 2000DE-01019173.
PR
XX (EPIG-) EPIGENOMICS AG.
PA
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
DR
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 59940; 29pp + Sequence Listing; German.
PS

XX This invention describes novel oligonucleotide primers or peptide nucleic acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP) and cytosine methylation status in chemically pretreated genomic DNA. The oligonucleotides are used for diagnosis and/or prognosis of cancer and a range of diseases including immune system, gastrointestinal, respiratory, central nervous system, cardiovascular and metabolic disorders. The oligomers are also used for detecting cell type differentiation. ABC00010 -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073 represent the oligomers described in the invention. NOTE: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format from WIPO at ftp.wipo.int/pub/published_pct_sequences

SQ Sequence 13 BP; 5 A; 1 C; 0 G; 7 T; 0 U; 0 Other;

Query Match 8.8%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 2.3e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1402 TAAATTTGTTAAT 1414
||||| |||||
Db 13 TAAATGTTAAT 1

RESULT 193
ABC38138/c
ID ABC38138 standard; DNA; 13 BP.
XX
AC ABC38138;
XX
DT 20-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 38155 for detecting SNP TSC0011826.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB0000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is designed to detect single-nucleotide polymorphisms and cytosine methylation status.
XX
PS Claim 1; SEQ ID NO 38155; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP) and cytosine methylation status in chemically pretreated genomic DNA. The oligonucleotides are used for diagnosis and/or prognosis of cancer and a range of diseases including immune system, gastrointestinal, respiratory, central nervous system, cardiovascular and metabolic disorders. The oligomers are also used for detecting cell type differentiation. ABC00010 -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073 represent the oligomers described in the invention. NOTE: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format from WIPO at ftp.wipo.int/pub/published_pct_sequences

XX
SQ Sequence 13 BP; 3 A; 0 C; 6 G; 4 T; 0 U; 0 Other;
Query Match 8.8%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 2.3e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1361 ATTCCACGCATCA 1373
||||| |||||
Db 13 ATTCCACCCATCA 1

RESULT 194
ABC64652
ID ABC64652 standard; DNA; 13 BP.
XX
AC ABC64652;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 64669 for detecting SNP TSC0017054.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB0000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is designed to detect single-nucleotide polymorphisms and cytosine methylation status.
XX
PS Claim 1; SEQ ID NO 64669; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP) and cytosine methylation status in chemically pretreated genomic DNA. The oligonucleotides are used for diagnosis and/or prognosis of cancer and a range of diseases including immune system, gastrointestinal, respiratory, central nervous system, cardiovascular and metabolic disorders. The oligomers are also used for detecting cell type differentiation. ABC00010 -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073 represent the oligomers described in the invention. NOTE: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format from WIPO at ftp.wipo.int/pub/published_pct_sequences

SQ Sequence 13 BP; 9 A; 0 C; 4 G; 0 T; 0 U; 0 Other;

Query Match 8.8%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 2.3e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1347 AGGGGAAGAAAA 1359
||||| |||||
Db 1 AGGGGAAGAAAA 13

RESULT 195

ABH16258
ID ABH16258 standard; DNA; 13 BP.
XX
AC ABH16258;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 216235 for detecting SNP TSC0052586.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
DN Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 216235; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC9989, ABF0010-ABF9989, ABH0010-ABH9989 and ABI0010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
PS Sequence 13 BP; 7 A; 0 C; 2 G; 4 T; 0 U; 0 Other;
XX
CC Query Match 8.8%; Score 11.4; DB 1; Length 13;
CC Best Local Similarity 92.3%; Pred. No. 2.3e+02;
CC Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1404 AAATTGTTAATGA 1416
Db 1 AAATTGATAATGA 13
RESULT 196
ABC44772
ID ABC44772 standard; DNA; 13 BP.
XX
AC ABC44772;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 44789 for detecting SNP TSC0013109.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX

OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
DN Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 44789; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC9989, ABF0010-ABF9989, ABH0010-ABH9989 and ABI0010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
PS Sequence 13 BP; 7 A; 0 C; 4 G; 2 T; 0 U; 0 Other;
XX
CC Query Match 8.8%; Score 11.4; DB 1; Length 13;
CC Best Local Similarity 92.3%; Pred. No. 2.3e+02;
CC Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1394 AAAGGAGGTAAAA 1406
Db 1 AAAGGAGGTAATA 13
RESULT 197
ABC83712
ID ABC83712 standard; DNA; 13 BP.
XX
AC ABC83712;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 83729 for detecting SNP TSC0021078.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;

XX WPI; 2001-657177/75.
DR
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 83729; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 3 A; 0 C; 6 G; 4 T; 0 U; 0 Other;

Query Match 8.8%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 2.3e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1448 GAAGATGGGTTGA 1460
Db 1 GATGATGGGTTGA 13

RESULT 198
ABH37043
ID ABH37043 standard; DNA; 13 BP.
XX
AC ABH37043;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 237020 for detecting SNP TSC0057824.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 237020; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a

CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 4 A; 6 C; 1 G; 2 T; 0 U; 0 Other;

Query Match 8.8%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 2.3e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1361 ATTCCACGCATCA 1373
Db 1 ACTCCACGCATCA 13

RESULT 199
ABF89808/C
ID ABF89808 standard; DNA; 13 BP.
XX
AC ABF89808;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 189805 for detecting SNP TSC0046704.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 189805; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 3 A; 1 C; 4 G; 5 T; 0 U; 0 Other;

Query Match 8.8%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 2.3e+02;

Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1356 AAAATATTCCACG 1368
13 ACAATATTCCACG 1

Db

RESULT 200
ABC85486
ID ABC85486 standard; DNA; 13 BP.
XX
AC ABC85486;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 85503 for detecting SNP TSC0021486.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
Set of oligonucleotides, useful for diagnosis and cell typing, is
designed to detect single-nucleotide polymorphisms and cytosine
methylation status.
XX
Claim 1; SEQ ID NO 85503; 29pp + Sequence Listing; German.
XX
This invention describes novel oligonucleotide primers or peptide nucleic
acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
and cytosine methylation status in chemically pretreated genomic DNA. The
oligonucleotides are used for diagnosis and/or prognosis of cancer and a
range of diseases including immune system, gastrointestinal, respiratory,
central nervous system, cardiovascular and metabolic disorders. The
oligomers are also used for detecting cell type differentiation. ABC00010
-ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
represent the oligomers described in the invention. NOTE: The sequence
data for this patent did not form part of the printed specification, but
was obtained in electronic format from WIPO at
ftp.wipo.int/pub/published_pct_sequences
XX
Sequence 13 BP; 5 A; 0 C; 2 G; 6 T; 0 U; 0 Other;
XX
Query Match 8.8%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 2.3e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1403 AAAATTGTTAATG 1415
1 AAAATTGTTATTG 13

Db

RESULT 201
ABC38139
ID ABC38139 standard; DNA; 13 BP.
XX
AC ABC38139;
XX

DT 20-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 38156 for detecting SNP TSC0011826.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
Set of oligonucleotides, useful for diagnosis and cell typing, is
designed to detect single-nucleotide polymorphisms and cytosine
methylation status.
XX
Claim 1; SEQ ID NO 38156; 29pp + Sequence Listing; German.
XX
This invention describes novel oligonucleotide primers or peptide nucleic
acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
and cytosine methylation status in chemically pretreated genomic DNA. The
oligonucleotides are used for diagnosis and/or prognosis of cancer and a
range of diseases including immune system, gastrointestinal, respiratory,
central nervous system, cardiovascular and metabolic disorders. The
oligomers are also used for detecting cell type differentiation. ABC00010
-ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
represent the oligomers described in the invention. NOTE: The sequence
data for this patent did not form part of the printed specification, but
was obtained in electronic format from WIPO at
ftp.wipo.int/pub/published_pct_sequences
XX
Sequence 13 BP; 4 A; 6 C; 0 G; 3 T; 0 U; 0 Other;
XX
Query Match 8.8%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 2.3e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1361 ATTCCACGCATCA 1373
1 ATTCCACCCATCA 13

Db

RESULT 202
ABC63922
ID ABC63922 standard; DNA; 13 BP.
XX
AC ABC63922;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 63939 for detecting SNP TSC0016878.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.

XX 06-APR-2001; 2001WO-IB0000713.
XX 07-APR-2000; 2000DE-01019173.
XX (EPIG-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 63939; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
PS Sequence 13 BP; 3 A; 0 C; 3 G; 7 T; 0 U; 0 Other;
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Query Match 8.8%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 2.3e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1407 TTGTTAATGATGA 1419
Db 1 TTGTTAATGTTGA 13

RESULT 203
ABC66936
ID ABC66936 standard; DNA; 13 BP.
XX
AC ABC66936;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 66953 for detecting SNP TSC0017542.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB0000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX (EPIG-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine

PT methylation status.
XX Claim 1; SEQ ID NO 66953; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 4 A; 0 C; 6 G; 3 T; 0 U; 0 Other;
XX
CC Query Match 8.8%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 2.3e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1447 GGAAGATGGGTTG 1459
Db 1 GGAAGATGGGTTG 13

RESULT 204
ABF72423/c
ID ABF72423 standard; DNA; 13 BP.
XX
AC ABF72423;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 172420 for detecting SNP TSC0042981.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB0000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX (EPIG-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 172420; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 4 A; 0 C; 6 G; 3 T; 0 U; 0 Other;
XX
CC Query Match 8.8%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 2.3e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1447 GGAAGATGGGTTG 1459
Db 1 GGAAGATGGGTTG 13

RESULT 204
ABF72423/c
ID ABF72423 standard; DNA; 13 BP.
XX
AC ABF72423;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 172420 for detecting SNP TSC0042981.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB0000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX (EPIG-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 172420; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence

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CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 7 A; 3 C; 0 G; 3 T; 0 U; 0 Other;

  Query Match      8.8%; Score 11.4; DB 1; Length 13;
  Best Local Similarity 92.3%; Pred. No. 2.3e+02;
  Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1406 ATGTGTAATGATG 1418
Db 13 ATGTGTAATGTTG 1

RESULT 205
ABF50144/c
ID ABF50144 standard; DNA; 13 BP.
XX
AC ABF50144;
XX
DT 21-FEB-2002 (first entry)
DE Oligonucleotide SEQ ID NO 150141 for detecting SNP TSC0037898.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB0000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 150141; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 3 A; 0 C; 1 G; 9 T; 0 U; 0 Other;

  Query Match      8.8%; Score 11.4; DB 1; Length 13;
  Best Local Similarity 92.3%; Pred. No. 2.3e+02;
  Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1352 AAGAAAATATTC 1364
Db 13 AAAAAAATATTC 1
```

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RESULT 206
ABH16257/c
ID ABH16257 standard; DNA; 13 BP.
XX
AC ABH16257;
XX
DT 22-FEB-2002 (first entry)
DE Oligonucleotide SEQ ID NO 216234 for detecting SNP TSC0052586.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB0000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 216234; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 4 A; 3 C; 0 G; 6 T; 0 U; 0 Other;

  Query Match      8.8%; Score 11.4; DB 1; Length 13;
  Best Local Similarity 92.3%; Pred. No. 2.3e+02;
  Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1404 AAATTGTTAATGA 1416
Db 13 AAATTGTTAATGA 1

RESULT 207
ABC56882
ID ABC56882 standard; DNA; 13 BP.
XX
AC ABC56882;
XX
DT 21-FEB-2002 (first entry)
DE Oligonucleotide SEQ ID NO 56899 for detecting SNP TSC0015400.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
```

KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 56899; 29pp + Sequence Listing; German.
XX
SQ This invention describes novel oligonucleotide primers or peptide nucleic
acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
and cytosine methylation status in chemically pretreated genomic DNA. The
oligonucleotides are used for diagnosis and/or prognosis of cancer and a
range of diseases including immune system, gastrointestinal, respiratory,
central nervous system, cardiovascular and metabolic disorders. The
oligomers are also used for detecting cell type differentiation. ABC00010
-ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
represent the oligomers described in the invention. NOTE: The sequence
data for this patent did not form part of the printed specification, but
was obtained in electronic format from WIPO at
ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 7 A; 0 C; 2 G; 4 T; 0 U; 0 Other;
Query Match 8.8%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 2.3e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1403 AAAATTGTTAATG 1415
DB 1 AAAAATGTTAATG 13
RESULT 208
ABC59922
ID ABC59922 standard; DNA; 13 BP.
XX
AC ABC59922;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 59939 for detecting SNP TSC0016022.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX

PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 59939; 29pp + Sequence Listing; German.
XX
SQ This invention describes novel oligonucleotide primers or peptide nucleic
acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
and cytosine methylation status in chemically pretreated genomic DNA. The
oligonucleotides are used for diagnosis and/or prognosis of cancer and a
range of diseases including immune system, gastrointestinal, respiratory,
central nervous system, cardiovascular and metabolic disorders. The
oligomers are also used for detecting cell type differentiation. ABC00010
-ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
represent the oligomers described in the invention. NOTE: The sequence
data for this patent did not form part of the printed specification, but
was obtained in electronic format from WIPO at
ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 7 A; 0 C; 1 G; 5 T; 0 U; 0 Other;
Query Match 8.8%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 2.3e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1402 TAAAAATTGTTAAT 1414
DB 1 TAAAAATGTTAAT 13
RESULT 209
ABH31582
ID ABH31582 standard; DNA; 13 BP.
XX
AC ABH31582;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 231559 for detecting SNP TSC0056462.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 231559; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic

CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 7 A; 0 C; 2 G; 4 T; 0 U; 0 Other;

Query Match 8.8%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 2.3e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1403 AAAATTGTTAATG 1415
|||||
Db 1 AAAATTGATAATG 13

RESULT 210
ABH37042/c
ID ABH37042 standard; DNA; 13 BP.
XX
AC ABH37042;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 237019 for detecting SNP TSC0057824.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 237019; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 2 A; 1 C; 6 G; 4 T; 0 U; 0 Other;

Query Match 8.8%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 2.3e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1403 AAAATTGTTAATG 1415
|||||
Db 1 AAAATTGATAATG 13

RESULT 210
ABH37042/c
ID ABH37042 standard; DNA; 13 BP.
XX
AC ABH37042;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 237019 for detecting SNP TSC0057824.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 237019; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 2 A; 1 C; 6 G; 4 T; 0 U; 0 Other;

Query Match 8.8%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 2.3e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1361 ATTCCACGCATCA 1373
|||||
Db 13 ACTCCACGCATCA 1

RESULT 211
ABC83713/c
ID ABC83713 standard; DNA; 13 BP.
XX
AC ABC83713;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 83730 for detecting SNP TSC0021078.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 83730; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 4 A; 6 C; 0 G; 3 T; 0 U; 0 Other;

Query Match 8.8%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 2.3e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1448 GAAGATGGTTGA 1460
|||||
Db 13 GATGATGGTTGA 1

RESULT 212
ABF37726
ID ABF37726 standard; DNA; 13 BP.

XX ABEF37726;
AC
XX
XX 21-FEB-2002 (first entry)
DT
XX
DE Oligonucleotide SEQ ID NO 137723 for detecting SNP TSC0034420.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
XX WO200177384-A2.
PN
XX
PD 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
PF
XX
PR 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
PA
PI Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
DR
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 137723; 29pp + Sequence Listing; German.
PS
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF0010-ABF99989, ABH0010-ABH99989 and ABI0010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 7 A; 0 C; 2 G; 4 T; 0 U; 0 Other;
SQ
Query Match 8.8%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 2.3e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1401 GTAAATTTGTTAA 1413
Db 1 GAAAAATTTGTTAA 13
RESULT 213
ABH21403/c
ID ABH21403 standard; DNA; 13 BP.
XX
XX ABH21403;
AC
XX
XX 22-FEB-2002 (first entry)
DT
XX
DE Oligonucleotide SEQ ID NO 221380 for detecting SNP TSC0053879.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
OS
XX

PN WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
PF
XX
PR 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
PA
PI Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
DR
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 221380; 29pp + Sequence Listing; German.
PS
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF0010-ABF99989, ABH0010-ABH99989 and ABI0010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 0 A; 6 C; 0 G; 7 T; 0 U; 0 Other;
SQ
Query Match 8.8%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 2.3e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1347 AGGGGAAGAAAA 1359
Db 13 AGGGGAAGGAAAA 1
RESULT 214
ABH31583/c
ID ABH31583 standard; DNA; 13 BP.
XX
XX ABH31583;
AC
XX
XX 22-FEB-2002 (first entry)
DT
XX
DE Oligonucleotide SEQ ID NO 231560 for detecting SNP TSC0056462.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
OS
XX
XX WO200177384-A2.
PN
XX
XX 18-OCT-2001.
PD
XX
XX 06-APR-2001; 2001WO-IB000713.
PF
XX
PR 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
PA
PI Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
DR

```
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 231560; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 4 A; 2 C; 0 G; 7 T; 0 U; 0 Other;
XX
Query Match      8.8%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 2.3e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
QY 1403 AAAATTGTTAATG 1415
Db 13 AAAATTGATAATG 1
XX
RESULT 215
ABH37071/c
ID ABH37071 standard; DNA; 13 BP.
XX
AC ABH37071;
XX
XX 22-FEB-2002 (first entry)
DT
DE Oligonucleotide SEQ ID NO 237048 for detecting SNP TSC0057828.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
WPI; 2001-657177/75.
XX
Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 237048; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
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CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 6 A; 4 C; 0 G; 3 T; 0 U; 0 Other;
XX
Query Match      8.8%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 2.3e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
QY 1406 ATTGTTAATGATG 1418
Db 13 ATTGTTGATGATG 1
XX
RESULT 216
ABH16256
ID ABH16256 standard; DNA; 13 BP.
XX
AC ABH16256;
XX
XX 22-FEB-2002 (first entry)
DT
DE Oligonucleotide SEQ ID NO 216233 for detecting SNP TSC0052586.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
WPI; 2001-657177/75.
XX
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PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 216233; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
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CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 6 A; 0 C; 3 G; 4 T; 0 U; 0 Other;
XX
Query Match      8.8%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 2.3e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
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QY 1404 AAATTGTTAATGA 1416
Db 1 AAATTGGTAATGA 13

RESULT 217
ABH16259/c
ID ABH16259 standard; DNA; 13 BP.
XX
AC ABH16259;
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 216236 for detecting SNP TSC0052586.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB0000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
DR
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 216236; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 4 A; 2 C; 0 G; 7 T; 0 U; 0 Other;
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 4 A; 2 C; 0 G; 7 T; 0 U; 0 Other;

Query Match 8.8%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 2.3e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1404 AAATTGTTAATGA 1416
Db 13 AAATTGATAATGA 1

RESULT 218
ABC99865/c
ID ABC99865 standard; DNA; 13 BP.
XX
AC ABC99865;
XX
DT 21-FEB-2002 (first entry)
XX

DE Oligonucleotide SEQ ID NO 99882 for detecting SNP TSC0024826.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB0000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
DR
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 99882; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 7 A; 1 C; 0 G; 5 T; 0 U; 0 Other;
XX
CC Query Match 8.8%; Score 11.4; DB 1; Length 13;
CC Best Local Similarity 92.3%; Pred. No. 2.3e+02;
CC Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1402 TAAATTTGTTAAT 1414
Db 13 TAAATTTGTTAAT 1

RESULT 219
ABF61093/c
ID ABF61093 standard; DNA; 13 BP.
XX
AC ABF61093;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 161090 for detecting SNP TSC0040557.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB0000713.

```
XX 07-APR-2000; 2000DE-01019173.
XX (EPIG-) EPIGENOMICS AG.
PA Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
DR
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 161090; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 6 A; 2 C; 0 G; 5 T; 0 U; 0 Other;
Query Match 8.8%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 2.3e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1403 AAAATTGTTAATG 1415
Db 13 AAAATTGTTAATG 1

RESULT 220
ABH37070
ID ABH37070 standard; DNA; 13 BP.
XX
AC ABH37070;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 237047 for detecting SNP TSC0057828.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
AC ABH37070;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 237047 for detecting SNP TSC0057828.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB0000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 237049; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 3 A; 0 C; 4 G; 6 T; 0 U; 0 Other;
Query Match 8.8%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 2.3e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1406 ATTGTTAATGATG 1418
Db 1 ATTGTTGATGATG 13

RESULT 221
ABH37072
ID ABH37072 standard; DNA; 13 BP.
XX
AC ABH37072;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 237049 for detecting SNP TSC0057828.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB0000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 237049; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
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CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 4 A; 1 C; 3 G; 5 T; 0 U; 0 Other;

Query Match      8.8%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 2.3e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1406 ATTGTTAATGATG 1418
Db 1 ATTGTTAACGATG 13

RESULT 222
ABC46232
ID ABC46232 standard; DNA; 13 BP.
XX
AC ABC46232;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 46249 for detecting SNP TSC0013388.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
Set of oligonucleotides, useful for diagnosis and cell typing, is
designed to detect single-nucleotide polymorphisms and cytosine
methylation status.
XX
Claim 1; SEQ ID NO 46249; 29pp + Sequence Listing; German.
XX
This invention describes novel oligonucleotide primers or peptide nucleic
acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
and cytosine methylation status in chemically pretreated genomic DNA. The
oligonucleotides are used for diagnosis and/or prognosis of cancer and a
range of diseases including immune system, gastrointestinal, respiratory,
central nervous system, cardiovascular and metabolic disorders. The
oligomers are also used for detecting cell type differentiation. ABC00010
-ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
represent the oligomers described in the invention. NOTE: The sequence
data for this patent did not form part of the printed specification, but
ftp.wipo.int/pub/published_pct_sequences
XX
Sequence 13 BP; 5 A; 0 C; 1 G; 7 T; 0 U; 0 Other;

Query Match      8.8%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 2.3e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1402 TAAAATTGTTAAT 1414
Db 1 TAAAATTGTTTAT 13

ftp.wipo.int/pub/published_pct_sequences
XX
Sequence 13 BP; 5 A; 0 C; 1 G; 7 T; 0 U; 0 Other;

Query Match      8.8%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 2.3e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1402 TAAAATTGTTAAT 1414
Db 1 TAAAATTGTTTAT 13
```

```
RESULT 223
ABC97181/c
ID ABC97181 standard; DNA; 13 BP.
XX
AC ABC97181;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 97198 for detecting SNP TSC0024108.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
Set of oligonucleotides, useful for diagnosis and cell typing, is
designed to detect single-nucleotide polymorphisms and cytosine
methylation status.
XX
Claim 1; SEQ ID NO 97198; 29pp + Sequence Listing; German.
XX
This invention describes novel oligonucleotide primers or peptide nucleic
acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
and cytosine methylation status in chemically pretreated genomic DNA. The
oligonucleotides are used for diagnosis and/or prognosis of cancer and a
range of diseases including immune system, gastrointestinal, respiratory,
central nervous system, cardiovascular and metabolic disorders. The
oligomers are also used for detecting cell type differentiation. ABC00010
-ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
represent the oligomers described in the invention. NOTE: The sequence
data for this patent did not form part of the printed specification, but
ftp.wipo.int/pub/published_pct_sequences
XX
Sequence 13 BP; 6 A; 2 C; 0 G; 5 T; 0 U; 0 Other;

Query Match      8.8%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 2.3e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1400 GGTAATAATTGTTA 1412
Db 13 GGTAATAATTTTTA 1

RESULT 224
ABC85487/c
ID ABC85487 standard; DNA; 13 BP.
XX
AC ABC85487;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 85504 for detecting SNP TSC0021486.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
```

XX Homo sapiens.
XX WO200177384-A2.
XX 18-OCT-2001.
XX 06-APR-2001; 2001WO-IB000713.
XX 07-APR-2000; 2000DE-01019173.
XX (EPIG-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX Claim 1; SEQ ID NO 85504; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
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XX Sequence 13 BP; 6 A; 2 C; 0 G; 5 T; 0 U; 0 Other;
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
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XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
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XX ftp.wipo.int/pub/published_pct_sequences
XX Query Match 8.8%; Score 11.4; DB 1; Length 13;
XX Best Local Similarity 92.3%; Pred. No. 2.3e+02;
XX Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1403 AAAATTGTTAATG 1415
Db 13 AAAATTGTTATTG 1
RESULT 225
ABC64447/C
ID ABC64447 standard; DNA; 13 BP.
AC ABC64447;
XX 21-FEB-2002 (first entry)
XX Oligonucleotide SEQ ID NO 64464 for detecting SNP TSC0017001.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX Homo sapiens.
XX WO200177384-A2.
XX 18-OCT-2001.
XX 06-APR-2001; 2001WO-IB000713.
XX 07-APR-2000; 2000DE-01019173.
XX (EPIG-) EPIGENOMICS AG.

PI Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX Claim 1; SEQ ID NO 64464; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
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XX ftp.wipo.int/pub/published_pct_sequences
XX Sequence 13 BP; 7 A; 2 C; 0 G; 4 T; 0 U; 0 Other;
XX Query Match 8.8%; Score 11.4; DB 1; Length 13;
XX Best Local Similarity 92.3%; Pred. No. 2.3e+02;
XX Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1407 TTGTTAATGATGA 1419
Db 13 TTTTAAATGATGA 1
RESULT 226
ABF73481
ID ABF73481 standard; DNA; 13 BP.
XX ABF73481;
XX 22-FEB-2002 (first entry)
XX Oligonucleotide SEQ ID NO 173478 for detecting SNP TSC0043213.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX Homo sapiens.
XX WO200177384-A2.
XX 18-OCT-2001.
XX 06-APR-2001; 2001WO-IB000713.
XX 07-APR-2000; 2000DE-01019173.
XX (EPIG-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX Claim 1; SEQ ID NO 173478; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligomers are used for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The

CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 6 A; 4 C; 1 G; 2 T; 0 U; 0 Other;

Query Match 8.8%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 2.3e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1356 AAAATATTCCACG 1368
Db 1 AAAATATTCCACG 13

RESULT 227
ABH23978/c
ID ABH23978 standard; DNA; 13 BP.
XX
AC ABH23978;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 223955 for detecting SNP TSC0054559.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 223955; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 4 A; 0 C; 2 G; 7 T; 0 U; 0 Other;

Query Match 8.8%; Score 11.4; DB 1; Length 13;

Best Local Similarity 92.3%; Pred. No. 2.3e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1355 AAAATATTCCAC 1367
Db 13 AAAATATTCTAC 1

RESULT 228
ABF51704
ID ABF51704 standard; DNA; 13 BP.
XX
AC ABF51704;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 151701 for detecting SNP TSC0038332.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 151701; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 5 A; 0 C; 2 G; 6 T; 0 U; 0 Other;

Query Match 8.8%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 2.3e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1400 GGTAATAATTGTTA 1412
Db 1 GTTAAATGTTA 13

RESULT 229
ACA61892/c
ID ACA61892 standard; DNA; 14 BP.
XX
AC ACA61892;

```
XX 27-OCT-2003 (revised)
DT 31-JUL-2003 (first entry)
XX
XX RT-PCR primer for cDNA encoding seepweed choline monoxygenase (CMO).
DE
XX Seepweed; choline monoxygenase; CMO; gene conversion; salt tolerance;
KW low temperature resistance; drought tolerance; reverse transcriptase-PCR;
KW RT-PCR; primer; ss.
KW
XX Suaeda liaotungensis; kitag.
OS
XX Key Location/Qualifiers
FH modified_base 1 /*tag= a
FT /mod_base= OTHER
FT /note= "Optionally modified by p (not defined)"
FT
XX CN1364905-A.
XX
XX 21-AUG-2002.
PD
XX
XX 12-JAN-2001; 2001CN-00106075.
XX PF
XX 12-JAN-2001; 2001CN-00106075.
XX PR
XX (UYDA-) UNIV DALIAN SCI & ENG.
XX PA
XX Li Q, Gao X, An L;
PI WPI; 2003-000543/01.
XX
XX Suaeda liaotungensis kitag choline monoxygenase gene and its cloning.
DR
XX Example 1; Page 6 (disclosure); 14pp; Chinese.
XX
XX The present invention relates to the isolation of seepweed (Suaeda
CC liaotungensis kitag) choline monoxygenase (CMO), and the polynucleotide
CC sequence encoding it. The present invention may be used in gene
CC conversion to reach the aim of raising a plant's salt tolerance, low
CC temperature resistance, and drought tolerance. The present sequence
CC represents a reverse transcriptase (RT)-PCR primer used in the examples
CC of the present invention. (Updated on 27-OCT-2003 to standardise OS
CC field)
XX
XX Sequence 14 BP; 5 A; 2 C; 5 G; 2 T; 0 U; 0 Other;
SQ
Query Match 8.8%; Score 11.4; DB 1; Length 14;
Best Local Similarity 92.3%; Pred. No. 2.5e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1418 GACCAGTCGTCT 1430
Db ||||| |||||
14 GACCATTCGTCT 2
RESULT 230
AAT49821
ID AAT49821 standard; RNA; 15 BP.
XX
XX AAT49821;
AC
XX 07-MAR-1997 (first entry)
DT
XX Human CETP HH ribozyme target sequence #1707.
DE
XX Hammerhead ribozyme; cholesterol ester transfer protein; mRNA cleavage;
KW neutral lipid transfer; plasma lipoprotein; atherosclerosis; atherectomy;
KW reverse cholesterol lipoprotein; high density lipoprotein; CETP;
KW familial hypercholesterolaemia; dyslipidaemia; hypoalhalipoproteinaemia;
KW peripheral vascular disease; hyperbetalipoproteinaemia; RCT; inhibitor;
KW angioplastic restenosis; low density lipoprotein; diabetes; HDL; human;
KW LDL; ss.
```

```
XX Homo sapiens.
OS
XX WO9620279-A1.
XX
XX 04-JUL-1996.
PD
XX
XX 11-DEC-1995; 95WO-US016000.
XX PF
XX 23-DEC-1994; 94US-00363240.
XX PR
XX (RIBO-) RIBOZYME PHARM INC.
XX PA (WARN ) WARNER LAMBERT CO.
XX
XX Couture L, Stinchcomb D, Mcswiggen J, Bisgaier C, Pape M;
PI WPI; 1996-321852/32.
XX
XX New ribozyme(s) for cleaving cholesterol ester transfer protein mRNA -
PT useful for preventing or treating initial development, progression or
PT regression of vascular diseases, esp. familial hypercholesterolaemia.
PT
XX Claim 4; Page 32; 72pp; English.
XX
XX AAT49608-T49863 represent target sequences for the human cholesterol
CC ester transfer protein (CETP) hammerhead (HH) ribozymes (see AAT49881-
CC T50137). CETP is a 74 kD glycoprotein that facilitates neutral lipid
CC transfer between plasma lipoproteins. The numbering of the targets refers
CC to the position of the cleavage site in full length CETP. The ribozyme
CC binds to 5 nucleotides either side of this site, provided the sequence
CC is immediately upstream. The ribozymes are able to cleave mRNA from the
CC gene encoding CETP, thereby blocking synthesis and/or expression of the
CC mRNA. By inhibiting CETP, the reverse cholesterol transport (RCT) pathway
CC can be inhibited (or eliminated) thereby preventing the reduction in size
CC density of the high density lipoproteins (HDL), prolonging HDL half life,
CC and therefore increasing HDL levels. The ribozymes can be used to treat
CC conditions associated with abnormal levels of CETP, specifically familial
CC hypercholesterolaemia, atherosclerosis, peripheral vascular disease,
CC hyperbetalipoproteinaemia, hypoalhalipoproteinaemia, dyslipidaemia,
CC vascular complications of diabetes, transplant, atherectomy and
CC angioplastic restenosis. By inhibiting CETP, the levels of HDL and low
CC density lipoproteins (LDL), and the HDL:LDL ratio are favourably altered
CC (a decrease in LDL levels, and a corresponding increase in HDL levels).
CC The HH ribozymes can also be used diagnostically to study genetic drift
CC and mutations in diseased cells, and to detect CETP mRNA. As the HH
CC ribozymes target specific regions of the CETP gene, they have low non-
CC specific activity
XX
XX Sequence 15 BP; 3 A; 0 C; 7 G; 0 T; 5 U; 0 Other;
SQ
Query Match 8.8%; Score 11.4; DB 1; Length 15;
Best Local Similarity 61.5%; Pred. No. 2.8e+02;
Matches 8; Conservative 4; Mismatches 1; Indels 0; Gaps 0;
QY 1446 TGGAGACATGGGTT 1458
Db :|||||:|:::
1 UGGAAGUUGGGUU 13
RESULT 231
AAT49669
ID AAT49669 standard; RNA; 15 BP.
XX
XX AAT49669;
AC
XX 28-FEB-1997 (first entry)
DT
XX Human CETP HH ribozyme target sequence #670.
DE
XX Hammerhead ribozyme; cholesterol ester transfer protein; mRNA cleavage;
KW neutral lipid transfer; plasma lipoprotein; atherosclerosis; atherectomy;
KW reverse cholesterol transport; high density lipoprotein; therapy; CETP;
KW familial hypercholesterolaemia; dyslipidaemia; hypoalhalipoproteinaemia;
KW angioplastic restenosis; low density lipoprotein; diabetes; HDL; human;
KW LDL; ss.
```


CC caused by specific RNA, e.g. cancer, inflammation, psoriasis, non-hepatic
CC ascites and infection. They may also be used to detect genetic drift and
CC mutations in diseased cells and to determine c-raf RNA. Specifically NACs
CC with RNA-cleaving activity that modulate expression of the Raf gene, are
CC used to treat cancer, restenosis, psoriasis or rheumatoid arthritis, or
CC generally any condition associated with the level of c-raf. Introduction
CC of sugar/phosphate modifications increases stability against nuclease and
CC activity. AAV90922 to AAV93877 represent NACs that can be used in the
CC method, specifically for modulating the expression of a Raf gene
XX

SQ Sequence 15 BP; 5 A; 2 C; 0 G; 0 T; 8 U; 0 Other;
Query Match 8.8%; Score 11.4; DB 1; Length 15;
Best Local Similarity 92.3%; Pred. No. 2.8e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1351 GAAGAAAAATATT 1363

Db 13 GAAGAAATATATT 1

RESULT 238

ID AAV93863/c
AAV93863 standard; RNA; 15 BP.

AC AAV93863;

DT 18-FEB-1999 (first entry)

DE Target sequence with sequence homology to c-raf and B-raf position 1804.

XX Human; c-raf; A-raf; B-raf; hammerhead ribozyme; hairpin ribozyme;
KW target; substrate; catalyst; modulation; expression; Raf gene; delivery;
KW screening; identification; synthesis; deprotection; purification; cancer;
KW inflammation; psoriasis; non-hepatic ascites; infection; genetic drift;
KW restenosis; rheumatoid arthritis; ss.

XX Homo sapiens.

PN WO9850530-A2.

PD 12-NOV-1998.

PF 05-MAY-1998; 98WO-US009249.

PR 09-MAY-1997; 97US-0046059P.

PR 09-JUN-1997; 97US-0049002P.

PR 03-JUL-1997; 97US-0051718P.

PR 22-AUG-1997; 97US-0056808P.

PR 02-OCT-1997; 97US-0061321P.

PR 02-OCT-1997; 97US-0061324P.

PR 05-NOV-1997; 97US-0064866P.

PR 19-DEC-1997; 97US-0068212P.

XX (RIBO-) RIBOZYME PHARM INC.

XX Jarvis T, Matulic-Adamic J, Reynolds M, Kisich K, Bellon L;

PI Parry T, Beigelman L, Mcswiggen JA, Karpeisky A, Burgin A;

PI Thompson J, Workman CT, Beaudry A, Sweedler D;

XX WPI; 1999-009494/01.

XX Identifying new catalytic nucleic acid that modulates selected processes
PT - especially ribozymes that cleave Raf RNA for treating cancer,
PT restenosis, and also new ribozymes and modified nucleoside triphosphates
PT used as antiviral agents and synthons.

XX Claim 180; Page 177; 259pp; English.

XX A method has been developed for the identification of a nucleic acid
CC capable of modulating a process in a biological system. The method
CC comprises: (a) introducing into the system a random library of nucleic
CC acid catalysts (NAC) having a substrate binding domain (SBD), comprising

CC a random sequence, and a catalytic domain (CD); and (b) identifying NAC
CC in systems where modulation has occurred and/or determining the sequence
CC of at least part of the SBDs in such systems. Nucleic acid molecules with
CC endonuclease activity and catalytic activity, from the present invention, to
CC are used to modulate gene expression in plant and mammalian cells and to
CC cleave target nucleic acid, particularly for treating systemic diseases
CC caused by specific RNA, e.g. cancer, inflammation, psoriasis, non-hepatic
CC ascites and infection. They may also be used to detect genetic drift and
CC mutations in diseased cells and to determine c-raf RNA. Specifically NACs
CC with RNA-cleaving activity that modulate expression of the Raf gene, are
CC used to treat cancer, restenosis, psoriasis or rheumatoid arthritis, or
CC generally any condition associated with the level of c-raf. Introduction
CC of sugar/phosphate modifications increases stability against nuclease and
CC activity. AAV90922 to AAV93877 represent NACs that can be used in the
CC method, specifically for modulating the expression of a Raf gene
XX

SQ Sequence 15 BP; 5 A; 2 C; 0 G; 0 T; 8 U; 0 Other;

Query Match 8.8%; Score 11.4; DB 1; Length 15;
Best Local Similarity 92.3%; Pred. No. 2.8e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1351 GAAGAAAAATATT 1363

Db 15 GAAGAAATATATT 3

RESULT 239

AAF46527

ID AAF46527 standard; DNA; 15 BP.

AC AAF46527;

DT 30-MAR-2001 (first entry)

DE IGFBP2 oligonucleotide #1366.

XX Antisense therapy; antiproliferative; antiinflammatory; antipsoriatic;
KW cytostatic; dermatological; cardiant; virucide; ophthalmological; keloid;
KW skin disorder; Insulin-like Growth Factor 1 receptor; IGF-1; pityriasis;
KW IGF binding protein; IGFBP-2; IGFBP3; inflammation; psoriasis; pilaris;
KW growth factor mediated cell proliferation; ichthyosis; serborrhea; ruba;
KW keratosis; neoplasia; scleroderma; wart; skin cancer; sclerotic disease;
KW hyperneovascular condition; hyperplasia; kidney disease;
KW neovascular condition of the retina; ss.

XX Homo sapiens.

OS WO200078341-A1.

PN 28-DEC-2000.

PD 21-JUN-2000; 2000WO-AU000693.

PF 21-JUN-1999; 99US-0140345P.

PR (MURD-) MURDOCH CHILDRENS RES INST.

XX Wright CJ, Werther GA, Edmondson SR;

XX WPI; 2001-041421/05.

XX Ameliorating the effects of a disorder, e.g. psoriasis, by administering
PT UV (ultra-violet) treatment (optional) and an antisense nucleic acid that
PT inhibits or reduces growth factor mediated cell proliferation and/or
PT inflammation.

XX Example 6; Page 43; 201pp; English.

XX The present invention relates to a method for ameliorating the effects of
CC skin disorders. The method comprises contacting the skin with an
CC antisense oligonucleotide, (for Insulin-like Growth Factor [IGF]-1
CC receptor, IGF binding protein [IGFBP]-2 or IGFBP3), which is capable of

CC inhibiting or reducing growth factor mediated cell proliferation,
CC inflammation and/or other disorders. The present sequence is an
CC oligonucleotide which can be used to design the antisense
CC oligonucleotides of the present invention (see AAF45151 and AAF45153-
CC F45161). The method is useful for ameliorating the effects of psoriasis,
CC ichthyosis, pityriasis, ruba, pilaris, serborrhea, keloids, keratosis,
CC neoplasias, scleroderma, warts, benign growths, cancers of the skin, a
CC hyperneovascular condition such as a neovascular condition of the retina,
CC brain or skin, growth factor-mediated malignancies, other sclerotic
CC disease, kidney disease, hyperproliferation of the inside of blood
CC vessels or any other hyperplasia
XX
SQ Sequence 15 BP; 6 A; 0 C; 7 G; 2 T; 0 U; 0 Other;

Query Match 8.8%; Score 11.4; DB 1; Length 15;
Best Local Similarity 92.3%; Pred. No. 2.8e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1348 GGGGAGAGAAAT 1360
|||||
Db 2 GGGGAGAGAGAAAT 14

RESULT 240
AAF46526
ID AAF46526 standard; DNA; 15 BP.
XX
AC AAF46526;
XX
DT 30-MAR-2001 (first entry)
XX
DE IGFBP2 oligonucleotide #1365.
XX
KW Antisense therapy; antiproliferative; antiinflammatory; antipsoriatic;
KW cytostatic; dermatological; cardiant; virucide; ophthalmological; keloid;
KW skin disorder; Insulin-like Growth Factor 1 receptor; IGF-1; pityriasis;
KW IGF binding protein; IGFBP-2; IGFBP3; inflammation; psoriasis; pilaris;
KW growth factor mediated cell proliferation; ichthyosis; serborrhea; ruba;
KW keratosis; neoplasia; scleroderma; wart; skin cancer; sclerotic disease;
KW hyperneovascular condition; hyperplasia; kidney disease;
KW neovascular condition of the retina; ss.
XX
OS Homo sapiens.
XX
PN WO200078341-A1.
XX
PD 28-DEC-2000.
XX
PF 21-JUN-2000; 2000WO-AU000693.
XX
PR 21-JUN-1999; 99US-0140345P.
XX
PA (MURD-) MURDOCH CHILDRENS RES INST.
XX
PI Wright CJ, Werther GA, Edmondson SR;
XX
DR WPI; 2001-041421/05.
XX
PT Ameliorating the effects of a disorder, e.g. psoriasis, by administering
PT UV (ultra-violet) treatment (optional) and an antisense nucleic acid that
PT inhibits or reduces growth factor mediated cell proliferation and/or
PT inflammation.
XX
PS Example 6; Page 43; 201pp; English.
XX
CC The present invention relates to a method for ameliorating the effects of
CC skin disorders. The method comprises contacting the skin with an
CC antisense oligonucleotide, (for Insulin-like Growth Factor [IGF]-1
CC receptor, IGF binding protein [IGFBP]-2 or IGFBP3), which is capable of
CC inhibiting or reducing growth factor mediated cell proliferation,
CC inflammation and/or other disorders. The present sequence is an
CC oligonucleotide which can be used to design the antisense
CC oligonucleotides of the present invention (see AAF45151 and AAF45153-

CC F45161). The method is useful for ameliorating the effects of psoriasis,
CC ichthyosis, pityriasis, ruba, pilaris, serborrhea, keloids, keratosis,
CC neoplasias, scleroderma, warts, benign growths, cancers of the skin, a
CC hyperneovascular condition such as a neovascular condition of the retina,
CC brain or skin, growth factor-mediated malignancies, other sclerotic
CC disease, kidney disease, hyperproliferation of the inside of blood
CC vessels or any other hyperplasia
XX
SQ Sequence 15 BP; 7 A; 0 C; 7 G; 1 T; 0 U; 0 Other;

Query Match 8.8%; Score 11.4; DB 1; Length 15;
Best Local Similarity 92.3%; Pred. No. 2.8e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1348 GGGGAGAGAAAT 1360
|||||
Db 3 GGGGAGAGAGAAAT 15

RESULT 241
ABK32096
ID ABK32096 standard; DNA; 15 BP.
XX
AC ABK32096;
XX
DT 23-APR-2002 (first entry)
XX
DE Human colon cancer SAGE tag #197.
XX
KW Human; colon cancer; colorectal cancer; pancreatic cancer; SAGE tag;
KW serial analysis of gene expression; diagnostic; prognostic; probe;
KW cancer marker; ss.
XX
OS Homo sapiens.
XX
PN US6333152-B1.
XX
PD 25-DEC-2001.
XX
PF 20-MAY-1998; 98US-00081646.
XX
PR 20-MAY-1998; 98US-00081646.
XX
PA (UYJO) UNIV JOHNS HOPKINS.
XX
PI Vogelstein B, Kinzler KW, Zhang L, Zhou W;
XX
DR WPI; 2002-153821/20.
XX
PT New human nucleic acid containing specific SAGE tags, useful as
PT diagnostic markers for cancer, also derived probes.
XX
PS Disclosure; Col 27; 161pp; English.
XX
CC The invention relates to an isolated, purified human nucleic acid (I)
CC that has the same sequence as a mRNA found in humans and is a SAGE
CC (serial analysis of gene expression) tag comprising a single stranded
CC probe containing at least 10 consecutive nucleotides. SAGE tags, are
CC diagnostic and prognostic markers of cancer, especially of the colon and
CC pancreas. ABK31900-ABK32770 represent human colon and pancreatic cancer
CC SAGE tags of the invention
XX
SQ Sequence 15 BP; 4 A; 1 C; 7 G; 3 T; 0 U; 0 Other;

Query Match 8.8%; Score 11.4; DB 1; Length 15;
Best Local Similarity 92.3%; Pred. No. 2.8e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1444 CATGGAAGATGGG 1456
|||||
Db 1 CATGGAAGATGTG 13

RESULT 242
ABK32109/c
ID ABK32109 standard; DNA; 15 BP.
XX
AC ABK32109;
XX
DT 23-APR-2002 (first entry)
XX
DE Human colon cancer SAGE tag #210.
XX
KW Human; colon cancer; colorectal cancer; pancreatic cancer; SAGE tag;
KW serial analysis of gene expression; diagnostic; prognostic; probe;
KW cancer marker; ss.
XX
OS Homo sapiens.
XX
PN US6333152-B1.
XX
PD 25-DEC-2001.
XX
PF 20-MAY-1998; 98US-00081646.
XX
PR 20-MAY-1998; 98US-00081646.
XX
PA (UYJO) UNIV JOHNS HOPKINS.
XX
PI Vogelstein B, Kinzler KW, Zhang L, Zhou W;
XX
PT WPI; 2002-153821/20.
XX
PS New human nucleic acid containing specific SAGE tags, useful as
PT diagnostic markers for cancer, also derived probes.
XX
DR Disclosure; Col 28; 161pp; English.
XX
CC The invention relates to an isolated, purified human nucleic acid (I)
CC that has the same sequence as a mRNA found in humans and is a SAGE
CC (serial analysis of gene expression) tag comprising a single stranded
CC probe containing at least 10 consecutive nucleotides. SAGE tags, are
CC diagnostic and prognostic markers of cancer, especially of the colon and
CC pancreas. ABK31900-ABK32770 represent human colon and pancreatic cancer
CC SAGE tags of the invention
XX
SQ Sequence 15 BP; 2 A; 6 C; 1 G; 6 T; 0 U; 0 Other;

Query Match 8.8%; Score 11.4; DB 1; Length 15;
Best Local Similarity 92.3%; Pred. No. 2.8e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1395 AAGGAGGTAAAT 1407
Db 14 AAGGAGGTAAACAT 2

RESULT 243
ABK32759/c
ID ABK32759 standard; DNA; 15 BP.
XX
AC ABK32759;
XX
DT 23-APR-2002 (first entry)
XX
DE Human colorectal and pancreatic cancer SAGE tag #126.
XX
KW Human; colon cancer; colorectal cancer; pancreatic cancer; SAGE tag;
KW serial analysis of gene expression; diagnostic; prognostic; probe;
KW cancer marker; ss.
XX
OS Homo sapiens.
XX
PN US6333152-B1.
XX
PD 25-DEC-2001.

Query Match 8.8%; Score 11.4; DB 1; Length 15;
Best Local Similarity 92.3%; Pred. No. 2.8e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1395 AAGGAGGTAAAT 1407
Db 14 AAGGAGGTAAACAT 2

RESULT 244
ABI99064
ID ABI99064 standard; DNA; 15 BP.
XX
AC ABI99064;
XX
DT 27-FEB-2002 (first entry)
XX
DE Human PCDH2 ASO probe SEQ ID NO 21.
XX
KW Human; PCDH2; protocadherin 2; haplotyping; polymorphic variant; SNP;
KW single nucleotide polymorphism; cytostatic; cancer; chromosome 5q31;
KW allele-specific oligonucleotide; ASO; probe; ss.
XX
OS Homo sapiens.
XX
PN WO200194361-A2.
XX
PD 13-DEC-2001.
XX
PF 06-JUN-2001; 2001WO-US018321.
XX
PR 06-JUN-2000; 2000US-0209564P.
XX
PA (GENA-) GENAISSANCE PHARM INC.
XX
PI Kliem SE, Koshy B, Tanguay DA;
XX
DR WPI; 2002-097928/13.
XX
PT New protocadherin 2 (PCDH2) polymorphic variants and encoding genes,
PT useful in expressing PCDH2 protein for screening candidate drugs to treat
PT diseases related to PCDH2 activity.
XX
PS Claim 16; Page 13; 127pp; English.
XX
CC The invention relates to haplotyping the protocadherin 2 (PCDH2) gene,
CC comprising determining which of the haplotypes given in the specification

XX 20-MAY-1998; 98US-00081646.
PF
XX 20-MAY-1998; 98US-00081646.
PR
XX (UYJO) UNIV JOHNS HOPKINS.
PA
XX Vogelstein B, Kinzler KW, Zhang L, Zhou W;
PI
XX WPI; 2002-153821/20.
DR
XX New human nucleic acid containing specific SAGE tags, useful as
PT diagnostic markers for cancer, also derived probes.
XX
PS Disclosure; Col 93; 161pp; English.
XX
CC The invention relates to an isolated, purified human nucleic acid (I)
CC that has the same sequence as a mRNA found in humans and is a SAGE
CC (serial analysis of gene expression) tag comprising a single stranded
CC probe containing at least 10 consecutive nucleotides. SAGE tags, are
CC diagnostic and prognostic markers of cancer, especially of the colon and
CC pancreas. ABK31900-ABK32770 represent human colon and pancreatic cancer
CC SAGE tags of the invention
XX
SQ Sequence 15 BP; 2 A; 6 C; 1 G; 6 T; 0 U; 0 Other;

Query Match 8.8%; Score 11.4; DB 1; Length 15;
Best Local Similarity 92.3%; Pred. No. 2.8e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1395 AAGGAGGTAAAT 1407
Db 14 AAGGAGGTAAACAT 2

RESULT 244
ABI99064
ID ABI99064 standard; DNA; 15 BP.
XX
AC ABI99064;
XX
DT 27-FEB-2002 (first entry)
XX
DE Human PCDH2 ASO probe SEQ ID NO 21.
XX
KW Human; PCDH2; protocadherin 2; haplotyping; polymorphic variant; SNP;
KW single nucleotide polymorphism; cytostatic; cancer; chromosome 5q31;
KW allele-specific oligonucleotide; ASO; probe; ss.
XX
OS Homo sapiens.
XX
PN WO200194361-A2.
XX
PD 13-DEC-2001.
XX
PF 06-JUN-2001; 2001WO-US018321.
XX
PR 06-JUN-2000; 2000US-0209564P.
XX
PA (GENA-) GENAISSANCE PHARM INC.
XX
PI Kliem SE, Koshy B, Tanguay DA;
XX
DR WPI; 2002-097928/13.
XX
PT New protocadherin 2 (PCDH2) polymorphic variants and encoding genes,
PT useful in expressing PCDH2 protein for screening candidate drugs to treat
PT diseases related to PCDH2 activity.
XX
PS Claim 16; Page 13; 127pp; English.
XX
CC The invention relates to haplotyping the protocadherin 2 (PCDH2) gene,
CC comprising determining which of the haplotypes given in the specification

CC defines one or both copies of the individual's PCDH2 gene. The
CC polymorphisms are within a 30244 base pair sequence (ABA05413), fully
CC defined in the specification. The polymorphic variants are useful in
CC studying the expression and function of PCDH2, in expressing PCDH2
CC protein for use in screening for candidate drugs to treat diseases such
CC as cancer, related to PCDH2 activity, in studying the effect of the
CC variation on the biological activity of PCDH2 and the binding affinity of
CC candidate drugs targeting PCDH2. The haplotyping methods are useful in
CC validating PCDH2 as a candidate target for treating a specific condition
CC or disease predicted to be associated with PCDH2 activity or in the
CC design of clinical trials of candidate drugs for treating a specific
CC condition or disease associated with PCDH2 activity. The present sequence
CC is that of a PCDH2 allele-specific oligonucleotide (ASO) probe of the
CC invention
XX
SQ Sequence 15 BP; 6 A; 1 C; 4 G; 3 T; 0 U; 1 Other;

Query Match 8.8%; Score 11.4; DB 1; Length 15;
Best Local Similarity 80.0%; Pred. No. 2.8e+02;
Matches 12; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 1455 GGTGATCAAGCAAA 1469
Db 1 GGTGAAYATGCAAA 15

RESULT 245
AAL54230/c
ID AAL54230 standard; DNA; 15 BP.
XX
AC AAL54230;
XX
DT 27-MAR-2003 (first entry)
XX
DE RNAP recognition and target sequence spacer DNA, SEQ ID No 11.
XX
KW Oligonucleotide primer; spacer sequence; intermediate duplex;
KW phage-encoded RNA polymerase recognition sequence; ds.
XX
OS Unidentified.
XX
PN WO200298895-A1.
XX
PD 12-DEC-2002.
XX
PF 07-JUN-2002; 2002WO-US018229.
XX
PR 07-JUN-2001; 2001US-0296812P.
PR 15-FEB-2002; 2002US-00077383.
XX
PA (SAIG-) SAIGENE CORP.
XX
PI Haydock PV, U'ren J;
XX
DR WPI; 2003-148649/14.
XX
PT New oligonucleotide primer having phage-encoded RNA polymerase
PT recognition sequences, spacer sequences and target complementary
PT sequences, useful in nucleic acid amplification procedures or for copying
PT target nucleic acids.
XX
PS Disclosure; Page 10; 69pp; English.
XX
CC The invention relates to a novel oligonucleotide primer comprises in the
CC following order, from 5' to 3': a phage-encoded RNA polymerase
CC recognition sequence; a spacer sequence comprising a sequence of 12-21
CC nucleotides; and a target complementary sequence that can bind a segment
CC of a target nucleic acid. The oligonucleotide primer is useful in
CC amplifying a target nucleic acid. The primer is also useful for copying
CC intermediate duplexes and target nucleic acids. This polynucleotide
CC represents an example of a spacer sequence between an RNA polymerase
CC recognition and target sequence of the invention
XX

SQ Sequence 15 BP; 0 A; 5 C; 0 G; 10 T; 0 U; 0 Other;

Query Match 8.8%; Score 11.4; DB 1; Length 15;
Best Local Similarity 92.3%; Pred. No. 2.8e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1349 GGAAGAAAAATA 1361
Db 15 GGAAGAAAAAAA 3

RESULT 246
ABV76208
ID ABV76208 standard; DNA; 15 BP.
XX
AC ABV76208;
XX
DT 28-MAR-2003 (first entry)
XX
DE Nicotinamide N-methyltransferase gene PS2 allele-specific probe.
XX
KW Human; nicotinamide N-methyltransferase; NNMT; enzyme; haplotyping;
KW genotyping; Parkinson's disease; cachexia; antiparkinsonian;
KW single nucleotide polymorphism; SNP; probe; ss.
XX
OS Homo sapiens.
XX
PN WO200290512-A2.
XX
PD 14-NOV-2002.
XX
PF 07-MAY-2002; 2002WO-US014538.
XX
PR 07-MAY-2001; 2001US-0289335P.
XX
PA (GENA-) GENAISSANCE PHARM INC.
XX
PI Chew A, Gilson CR, Kazemi A, Koshy B;
XX
DR WPI; 2003-120539/11.
XX
PT New isolated polynucleotide having nicotinamide N-methyltransferase
PT (NNMT) gene, useful for treating diseases associated with NNMT activity,
PT e.g. Parkinson's disease and cancer cachexia.
XX
PS Claim 31; Page 13; 57pp; English.
XX
CC The present sequence is a preferred allele-specific oligonucleotide (ASO)
CC probe for detecting the PS2 polymorphic site in the human nicotinamide N-
CC methyltransferase (NNMT) gene (see also ABV76204). The invention is based
CC on the discovery of 3 novel polymorphic sites (PS1-PS3) in the NNMT gene.
CC The identity of the alleles at these sites were determined in a human
CC reference population of 79 unrelated individuals self-identified as
CC belonging to African descent, Asian, Caucasian and Hispanic/Latino
CC population groups. The invention provides a method, composition and kit
CC for genotyping the NNMT gene in an individual. A genotyping kit
CC composition comprises a probe or primer designed to specifically
CC hybridise to a target region containing, or adjacent to, one of the NNMT
CC polymorphic sites. A genotyping kit comprises a set of oligonucleotides
CC designed to genotype each of the NNMT polymorphic sites. The present ASO
CC probe, and its complement, are both claimed. The invention also provides
CC a method for haplotyping the NNMT gene. This is useful for improving the
CC development of drugs metabolised by NNMT or drugs for treating diseases
CC associated with NNMT activity, e.g. Parkinson's disease and cancer
CC cachexia (claimed). The invention is also useful for screening compounds
CC that target NNMT, and for identifying associations between a trait and a
CC NNMT genotype, haplotype or haplotype pair for one or more of the novel
CC polymorphic sites
XX
SQ Sequence 15 BP; 6 A; 1 C; 4 G; 3 T; 0 U; 1 Other;

Query Match 8.8%; Score 11.4; DB 1; Length 15;
Best Local Similarity 80.0%; Pred. No. 2.8e+02;

Matches 12; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 1435 AGACATATACATGGA 1449
|||:|||||
Db 1 AGTCATAYAGATGGA 15

RESULT 247
AAT98967
ID AAT98967 standard; DNA; 16 BP.
XX
AC AAT98967;
XX
DT 23-MAR-1998 (first entry)
XX
DE Probe 184w26 for wild type HIV RT gene Q182M184.
XX
KW Reverse transcriptase gene; HIV; RT gene; antiviral drug susceptibility;
KW virus susceptibility; antiviral drug resistant viral strain; retrovirus;
KW Hepadnaviridae; HIV RT genotyping; probe; ss.
XX
OS Synthetic.
OS Human immunodeficiency virus 1.
PN WO9727332-A1.
XX
PD 31-JUL-1997.
XX
PF 17-JAN-1997; 97WO-EP0000211.
XX
PR 26-JAN-1996; 96EP-00870005.
PR 25-JUN-1996; 96EP-008700081.
XX
PA (INNO-) INNOGENETICS NV.
XX
PI Stuyver L, Louwagie J, Rossau R;
XX
DR WPI; 1997-393716/36.
XX
PT Determining susceptibility to antiviral drugs of reverse transcriptase
PT containing viruses - useful for genotyping HIV RT and detecting antiviral
PT resistant HIV.
XX
PS Claim 13; Page 37; 59pp; English.
XX
CC This sequence represents a probe for a wild type HIV reverse
CC transcriptase (RT) gene fragment. This sequence can be used in the method
CC of the invention for determining the susceptibility to antiviral drugs of
CC viruses which contain RT genes and are present in a biological sample. It
CC comprises: (1) releasing, isolating or concentrating the polynucleic
CC acids present in a sample; (2) amplifying the relevant part of the RT
CC genes present with at least one suitable primer pair; (3) hybridising the
CC polynucleic acids of step (1) or (2) with at least two RT gene probes,
CC the probes being applied to known locations on a solid support, and are
CC capable of simultaneously hybridising to their respective target regions
CC under appropriate hybridisation and wash condition allowing the detection
CC of homologous targets, or with the probes hybridising specifically with a
CC sequence complementary to any of the target sequences; (4) detecting the
CC hybrids formed in step (3); and (4) inferring the nucleotide sequence at
CC the codons of interest (codons 38-44, 47-53, 65-72, 73-77, 148-154, 180-
CC 187, 212-216, and 217-220), and/or the amino acids of the codons of
CC interest and/or antiviral drug resistance spectrum, and possible the type
CC of viral isolates involved from the differential hybridisation signals
CC obtained in step (4). The method is specifically used to detect antiviral
CC drug resistant strains of viruses containing RT genes, especially HIV
CC retroviruses and Hepadnaviridae. The method can also be used for
CC genotyping HIV RT
XX
SQ Sequence 16 BP; 6 A; 3 C; 3 G; 4 T; 0 U; 0 Other;

Query Match 8.8%; Score 11.4; DB 1; Length 16;
Best Local Similarity 92.3%; Pred. No. 3e+02; Indels 1; Mismatches 1; Gaps 0;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1441 ATACATGGAAGAT 1453
|||||||
Db 4 ATACATGGAAGAT 16

RESULT 248
ABK41364/c
ID ABK41364 standard; RNA; 16 BP.
XX
AC ABK41364;
XX
DT 21-MAY-2002 (first entry)
XX
DE Human eIF2Bgamma ribozyme target sequence tag #10.
XX
KW Human; ss; translation initiation factor 2B gamma subunit; eIF2Bgamma;
KW ribozyme; ribozyme sequence tag; RST; TST; target sequence tag; HCV;
KW hepatitis C virus infection; virucide; hepatotropic; antiinflammatory;
KW proteasome alpha subunit; PMSA1.
XX
OS Homo sapiens.
XX
PN WO200183754-A2.
XX
PD 08-NOV-2001.
XX
PF 02-MAY-2001; 2001WO-US014337.
XX
PR 02-MAY-2000; 2000US-00563794.
XX
PA (IMMU-) IMMUSOL INC.
XX
PI Kruger M, Welch PJ, Barber JR;
XX
DR WPI; 2002-034514/04.
XX
PT Identifying cellular regulators essential in pathogenesis of infectious
PT agents, useful for treatment of infectious diseases preferably viral
PT diseases especially hepatitis C virus (HCV).
XX
PS Claim 18; Page 17; 74pp; English.
XX
CC The invention relates to a randomised ribozyme gene vector library which
CC is introduced into a population of cells expressing negative selection
CC marker gene operatively linked to viral nucleic acid acted on by cellular
CC regulator of virus replication or expression (e.g. the human translation
CC initiation factor 2B gamma subunit, eIF2Bgamma, and proteasome alpha
CC subunit 1 .PMSA1,acting on Hepatitis C virus, HCV, sequences) and a
CC target recognition sequence of recovered ribozymes are sequenced to
CC identify the cellular regulator. Also included are target sequence tags,
CC TST, derived from eIF2Bgamma and PMSA1, the ribozyme sequence in the
CC targetting the TSTs (and a list of target genes given in the
CC specification), methods of identifying the ribozyme sequences and other
CC compounds having a positive or negative effect on viral replication via
CC interaction with the cellular regulator. The methods are useful for
CC identifying a cellular regulator of virus replication or expression, for
CC identifying a compound that modulates the activity of a viral cellular
CC regulator, identifying a ribozyme reactive with a cellular regulator of
CC virus replication or expression, and for treating an HCV infection by
CC inhibiting the activity of a cellular regulator involved in HCV
CC replication. The ribozymes and inhibitory compounds identified by the
CC above screening methods are used to reduce the severity of such an
CC infection. The methods allow rapid and efficient identification of
CC cellular genes involved in the propagation or pathogenesis of infectious
CC agents. The present sequence is a ribozyme target sequence tag of the
CC invention
XX
SQ Sequence 16 BP; 7 A; 2 C; 2 G; 0 T; 4 U; 1 Other;

Query Match 8.8%; Score 11.4; DB 1; Length 16;
Best Local Similarity 85.7%; Pred. No. 3e+02; Indels 2; Mismatches 2; Gaps 0;
Matches 12; Conservative 0; Mismatches 2; Indels 0; Gaps 0;


```
RESULT 251
ABZ34127
ID ABZ34127 standard; DNA; 16 BP.
XX
AC ABZ34127;
XX
DT 31-JAN-2003 (first entry)
XX
DE HIV-1 reverse transcriptase mutation detection probe SEQ ID NO:369.
XX
KW Human immunodeficiency virus; HIV; reverse transcriptase; RT; enzyme;
KW detection; mutation; anti-HIV drug resistance; polymorphism; resistance;
KW probe; ss.
XX
OS Human immunodeficiency virus 1.
OS Synthetic.
XX
FN WO200255741-A2.
XX
PD 18-JUL-2002.
XX
PF 09-JAN-2002; 2002WO-EP000153.
XX
PR 11-JAN-2001; 2001EP-00870005.
PR 20-APR-2001; 2001EP-00870085.
PR 24-APR-2001; 2001US-0286102P.
XX
PA (INNO-) INNOGENETICS NV.
XX
PI De Smet K, Stuyver L;
XX
DR WPI; 2002-590680/63.
XX
PT Detecting mutations associated with anti-HIV drug resistance comprises
PT detecting at least one of the mutations in the HIV reverse transcriptase
PT gene by using probes optimized to function together in a reverse-
PT hybridization assay.
XX
PS Claim 2; Page 25; 117pp; English.
XX
CC The present invention describes a method for detecting mutations
CC associated with anti-HIV drug resistance in a patient by detecting at
CC least one of the mutations K103N/R, V106A/I/L, Y181C/I, M184V/I, Y188L,
CC G190A/S/R, T215Y/F/D/S/A and/or Q151M/L in the reverse transcriptase (RT)
CC of HIV strains in a biological sample using a specific set of probes
CC optimised to function together in a reverse-hybridisation assay. The
CC method and the nucleic acid sequences used in the method are useful for
CC determining viral mutations and/or polymorphisms in the HIV RT gene
CC associated with resistance. The probes are useful for the genetic
CC detection, preferably in vitro detection of the mutations K103N/R,
CC V106A/I/L, Y181C/I, Q151M/L, M184V/I, Y188L, G190A/S/R and/or
CC T215Y/F/D/S/A in the RT of HIV strains in a biological sample, where the
CC mutation is associated with anti-HIV drug resistance. The method provides
CC a rapid, reliable and precise assay or determination and monitoring of
CC antiviral drug resistance or mutations associated with drug resistance of
CC viruses containing RT genes. ABZ33759 to ABZ34642 represent HIV RT
CC sequences and probes which are used in the exemplification of the present
CC invention
XX
SQ Sequence 16 BP; 4 A; 1 C; 4 G; 7 T; 0 U; 0 Other;
Query Match 8.6%; Score 11.2; DB 1; Length 16;
Best Local Similarity 81.2%; Pred. No. 3.2e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
QY 1442 TACATGGAAGATGGGT 1457
Db 1 TACATGGATGATTTGT 16
RESULT 252
ABZ34121
ID ABZ34121 standard; DNA; 16 BP.
```

```
XX ABZ34121;
AC
XX 31-JAN-2003 (first entry)
XX
DE HIV-1 reverse transcriptase mutation detection probe SEQ ID NO:363.
XX
KW Human immunodeficiency virus; HIV; reverse transcriptase; RT; enzyme;
KW detection; mutation; anti-HIV drug resistance; polymorphism; resistance;
KW probe; ss.
XX
OS Human immunodeficiency virus 1.
OS Synthetic.
XX
FN WO200255741-A2.
XX
PD 18-JUL-2002.
XX
PF 09-JAN-2002; 2002WO-EP000153.
XX
PR 11-JAN-2001; 2001EP-00870005.
PR 20-APR-2001; 2001EP-00870085.
PR 24-APR-2001; 2001US-0286102P.
XX
PA (INNO-) INNOGENETICS NV.
XX
PI De Smet K, Stuyver L;
XX
DR WPI; 2002-590680/63.
XX
PT Detecting mutations associated with anti-HIV drug resistance comprises
PT detecting at least one of the mutations in the HIV reverse transcriptase
PT gene by using probes optimized to function together in a reverse-
PT hybridization assay.
XX
PS Claim 2; Page 25; 117pp; English.
XX
CC The present invention describes a method for detecting mutations
CC associated with anti-HIV drug resistance in a patient by detecting at
CC least one of the mutations K103N/R, V106A/I/L, Y181C/I, M184V/I, Y188L,
CC G190A/S/R, T215Y/F/D/S/A and/or Q151M/L in the reverse transcriptase (RT)
CC of HIV strains in a biological sample using a specific set of probes
CC optimised to function together in a reverse-hybridisation assay. The
CC method and the nucleic acid sequences used in the method are useful for
CC determining viral mutations and/or polymorphisms in the HIV RT gene
CC associated with resistance. The probes are useful for the genetic
CC detection, preferably in vitro detection of the mutations K103N/R,
CC V106A/I/L, Y181C/I, Q151M/L, M184V/I, Y188L, G190A/S/R and/or
CC T215Y/F/D/S/A in the RT of HIV strains in a biological sample, where the
CC mutation is associated with anti-HIV drug resistance. The method provides
CC a rapid, reliable and precise assay or determination and monitoring of
CC antiviral drug resistance or mutations associated with drug resistance of
CC viruses containing RT genes. ABZ33759 to ABZ34642 represent HIV RT
CC sequences and probes which are used in the exemplification of the present
CC invention
XX
SQ Sequence 16 BP; 6 A; 3 C; 4 G; 3 T; 0 U; 0 Other;
Query Match 8.6%; Score 11.2; DB 1; Length 16;
Best Local Similarity 81.2%; Pred. No. 3.2e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
QY 1436 GACATATACATGGAAG 1451
Db 1 GACCAATACATGGATG 16
RESULT 253
AAX14909/C
ID AAX14909 standard; DNA; 11 BP.
XX
AC AAX14909;
XX
```

DT 24-MAR-1999 (first entry)

XX Triple helix third strand of 23S rRNA gene nucleotides 203-213.

DE

XX

XX Triplex formation; DNA detection; triple helix; identification; bacteria;

KW oncogene; virus; ss.

KW

XX Synthetic.

OS Chlamydomophila caviae.

OS

XX US5861244-A.

XX

XX 19-JAN-1999.

PD

XX

XX 22-DEC-1993; 93US-00173489.

PF

XX

XX 29-OCT-1992; 92US-00968436.

PR

XX (PROF-) PROFILE DIAGNOSTIC SCI INC.

PA

XX Hepburn AG, Wang C;

PI WPI; 1999-130384/11.

XX

XX Assay of genetic sequences based on triplex formation from double

PT stranded analyte - and hybrid of anchor and reporter sequences, with

PT reporter released if triplex formation occurs, used e.g. to identify

PT bacteria.

PT

XX Disclosure; Col 23-24; 168pp; English.

PS

XX The present sequence represents a polynucleotide that is able to form a

CC triple helix with a double stranded sequence. Cytosine bases in the

CC present can be replaced with 5-methylcytosine for increased triplex

CC stability. The present sequence is used in the assay of the invention,

CC where it can be part of the anchor DNA or reporter DNA sequence. The

CC assay comprises adding a sample containing double-stranded DNA test

CC sequences to an aqueous medium containing at least one complex of anchor

CC DNA, attached to a solid support, and reporter DNA, where either a part

CC of the anchor DNA or reporter DNA is designed to form a triple-strand

CC structure with part of the test sequence. Triplex formation results in

CC displacement of the reporter DNA which is detected as an indication of

CC the presence of the DNA test sequence. The method is used to detect DNA

CC sequences, particularly for identification of bacteria (by detecting

CC genes for ribosomal RNA) in clinical samples, but also detection of

CC oncogenes and Hepatitis B virus

XX

SQ Sequence 11 BP; 0 A; 5 C; 0 G; 6 T; 0 U; 0 Other;

Query Match 8.5%; Score 11; DB 1; Length 11;

Best Local Similarity 100.0%; Pred. No. 2.2e+02;

Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1347 AGGGGAAGAAA 1357

Db 11 AGGGGAAGAAA 1

RESULT 254

ABI60621

ID ABI60621 standard; DNA; 12 BP.

XX

AC ABI60621;

XX

XX 22-FEB-2002 (first entry)

DT

XX Oligonucleotide primer SEQ ID NO 360594 for detecting SNP TSC0052150.

DE

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;

KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;

KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX

OS Homo sapiens.

XX WO200177384-A2.

PN

XX 18-OCT-2001.

PD

XX

XX 06-APR-2001; 2001WO-IB000713.

PF

XX

XX 07-APR-2000; 2000DE-01019173.

PR

XX (EPIG-) EPIGENOMICS AG.

PA

XX Olek A, Piepenbrock C, Berlin K;

PI WPI; 2001-657177/75.

XX

DR

XX Set of oligonucleotides, useful for diagnosis and cell typing, is

XX designed to detect single-nucleotide polymorphisms and cytosine

PT methylation status.

PT

XX Claim 1; SEQ ID NO 360594; 29pp + Sequence Listing; German.

PS

XX This invention describes novel oligonucleotide primers or peptide nucleic

CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)

CC and cytosine methylation status in chemically pretreated genomic DNA. The

CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a

CC range of diseases including immune system, gastrointestinal, respiratory,

CC central nervous system, cardiovascular and metabolic disorders. The

CC oligomers are also used for detecting cell type differentiation. ABC00010

CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073

CC represent the oligomers described in the invention. NOTE: The sequence

CC data for this patent did not form part of the printed specification, but

CC was obtained in electronic format from WIPO at

CC ftp.wipo.int/pub/published_pct_sequences

XX

SQ Sequence 12 BP; 6 A; 1 C; 2 G; 3 T; 0 U; 0 Other;

Query Match 8.5%; Score 11; DB 1; Length 12;

Best Local Similarity 100.0%; Pred. No. 2.4e+02;

Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1354 GAAAAATATTC 1364

Db 1 GAAAAATATTC 11

RESULT 255

ABH82139

ID ABH82139 standard; DNA; 12 BP.

XX

AC ABH82139;

XX

XX 22-FEB-2002 (first entry)

DT

XX Oligonucleotide primer SEQ ID NO 282132 for detecting SNP TSC0010466.

DE

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;

KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;

KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX

OS Homo sapiens.

XX

XX WO200177384-A2.

PN

XX

XX 18-OCT-2001.

PD

XX

XX 06-APR-2001; 2001WO-IB000713.

PF

XX

XX 07-APR-2000; 2000DE-01019173.

PR

XX (EPIG-) EPIGENOMICS AG.

PA

XX Olek A, Piepenbrock C, Berlin K;

PI

XX

DR WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 282132; 29pp + Sequence Listing; German.
PS
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 4 A; 1 C; 2 G; 5 T; 0 U; 0 Other;

Query Match 8.5%; Score 11; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 2.4e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1401 GTAAATTTGTT 1411
Dd 1 GTAAATTTGTT 11

RESULT 256
ABH68622
ID ABH68622 standard; DNA; 12 BP.
XX
AC ABH68622;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 268599 for detecting SNP TSC0001245.
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 268599; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,

CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 7 A; 2 C; 0 G; 3 T; 0 U; 0 Other;

Query Match 8.5%; Score 11; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 2.4e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1355 AAAAATATTCC 1365
Dd 2 AAAAATATTCC 12

RESULT 257
ABH83672
ID ABH83672 standard; DNA; 12 BP.
XX
AC ABH83672;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 283665 for detecting SNP TSC0011450.
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 283665; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 3 A; 0 C; 7 G; 2 T; 0 U; 0 Other;

Query Match 8.5%; Score 11; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 2.4e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1446 TGAAGATGGG 1456
Db 1 TGAAGATGGG 11
RESULT 258
ABI35090
ID ABI35090 standard; DNA; 12 BP.
XX
AC ABI35090;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 335063 for detecting SNP TSC0038581.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 335063; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 5 A; 0 C; 1 G; 6 T; 0 U; 0 Other;
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 5 A; 0 C; 1 G; 6 T; 0 U; 0 Other;
XX
Query Match 8.5%; Score 11; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 2.4e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1404 AAATGTTAAT 1414
Db 1 AAATGTTAAT 11
RESULT 259
ABH79380
ID ABH79380 standard; DNA; 12 BP.
XX
AC ABH79380;
XX
DT 22-FEB-2002 (first entry)
XX

XX
DE Oligonucleotide primer SEQ ID NO 279373 for detecting SNP TSC0007280.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 279373; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 7 A; 0 C; 1 G; 4 T; 0 U; 0 Other;
XX
Query Match 8.5%; Score 11; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 2.4e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1353 AGAAAAATATT 1363
Db 2 AGAAAAATATT 12
RESULT 260
ABH82138
ID ABH82138 standard; DNA; 12 BP.
XX
AC ABH82138;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 282131 for detecting SNP TSC0010466.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX

PF 06-APR-2001; 2001WO-IB0000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
DR
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 282131; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 4 A; 0 C; 2 G; 6 T; 0 U; 0 Other;

Query Match 8.5%; Score 11; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 2.4e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1401 GTAAATTGTT 1411
D5
1 GTAAATTGTT 11
|||||
RESULT 261
ABH85259
ID ABH85259 standard; DNA; 12 BP.
XX
AC ABH85259;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 285252 for detecting SNP TSC0012211.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB0000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
DR
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.

XX Claim 1; SEQ ID NO 285252; 29pp + Sequence Listing; German.
PS
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 6 A; 0 C; 1 G; 5 T; 0 U; 0 Other;

Query Match 8.5%; Score 11; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 2.4e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1402 TAAATTGTTA 1412
D5
2 TAAATTGTTA 12
|||||
RESULT 262
ABI78224/c
ID ABI78224 standard; DNA; 12 BP.
XX
AC ABI78224;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 378197 for detecting SNP TSC0062669.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB0000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
DR
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 378197; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX

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CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 4 A; 3 C; 1 G; 4 T; 0 U; 0 Other;

Query Match      8.5%; Score 11; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 2.4e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1400 GGTAATAATTGT 1410
Db 11 GGTAATAATTGT 1

RESULT 263
ABI38916/c
ID ABI38916 standard; DNA; 12 BP.
XX
AC ABI38916;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 338889 for detecting SNP TSC0040730.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 338889; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 4 A; 3 C; 0 G; 5 T; 0 U; 0 Other;

Query Match      8.5%; Score 11; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 2.4e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1409 GTTAATGATGA 1419
Db 12 GTTAATGATGA 2

RESULT 264
ABI78223/c
ID ABI78223 standard; DNA; 12 BP.
XX
AC ABI78223;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 378196 for detecting SNP TSC0062669.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 378196; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 5 A; 3 C; 0 G; 4 T; 0 U; 0 Other;

Query Match      8.5%; Score 11; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 2.4e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1400 GGTAATAATTGT 1410
Db 11 GGTAATAATTGT 1

RESULT 265
ABH76346
ID ABH76346 standard; DNA; 12 BP.
XX
AC ABH76346;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 276339 for detecting SNP TSC0004157.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
```

XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB0000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX DR WPI; 2001-657177/75.
XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
XX PT designed to detect single-nucleotide polymorphisms and cytosine
XX PT methylation status.
XX PS Claim 1; SEQ ID NO 276339; 29pp + Sequence Listing; German.
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
XX CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX CC and cytosine methylation status in chemically pretreated genomic DNA. The
XX CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX CC range of diseases including immune system, gastrointestinal, respiratory,
XX CC central nervous system, cardiovascular and metabolic disorders. The
XX CC oligomers are also used for detecting cell type differentiation. ABC00010
XX CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX CC represent the oligomers described in the invention. NOTE: The sequence
XX CC data for this patent did not form part of the printed specification, but
XX CC was obtained in electronic format from WIPO at
XX CC ftp.wipo.int/pub/published_pct_sequences
XX SQ Sequence 12 BP; 5 A; 0 C; 1 G; 6 T; 0 U; 0 Other;
Query Match 8.5%; Score 11; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 2.4e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1402 TAAATTTGTTA 1412
Db 2 TAAATTTGTTA 12
RESULT 266
ABH82398/c
ID ABH82398 standard; DNA; 12 BP.
XX AC ABH82398;
XX DT 22-FEB-2002 (first entry)
XX DE Oligonucleotide primer SEQ ID NO 282391 for detecting SNP TSC0010713.
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB0000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.

XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB0000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.

XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB0000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.

XX Olek A, Piepenbrock C, Berlin K;
XX DR WPI; 2001-657177/75.
XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
XX PT designed to detect single-nucleotide polymorphisms and cytosine
XX PT methylation status.
XX PS Claim 1; SEQ ID NO 282391; 29pp + Sequence Listing; German.
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
XX CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX CC and cytosine methylation status in chemically pretreated genomic DNA. The
XX CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX CC range of diseases including immune system, gastrointestinal, respiratory,
XX CC central nervous system, cardiovascular and metabolic disorders. The
XX CC oligomers are also used for detecting cell type differentiation. ABC00010
XX CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX CC represent the oligomers described in the invention. NOTE: The sequence
XX CC data for this patent did not form part of the printed specification, but
XX CC was obtained in electronic format from WIPO at
XX CC ftp.wipo.int/pub/published_pct_sequences
XX SQ Sequence 12 BP; 5 A; 3 C; 0 G; 4 T; 0 U; 0 Other;
Query Match 8.5%; Score 11; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 2.4e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1409 GTTAATGATGA 1419
Db 12 GTTAATGATGA 2
RESULT 267
ABI64510/c
ID ABI64510 standard; DNA; 12 BP.
XX AC ABI64510;
XX DT 22-FEB-2002 (first entry)
XX DE Oligonucleotide primer SEQ ID NO 364483 for detecting SNP TSC0054493.
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB0000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX DR WPI; 2001-657177/75.
XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
XX PT designed to detect single-nucleotide polymorphisms and cytosine
XX PT methylation status.
XX PS Claim 1; SEQ ID NO 364483; 29pp + Sequence Listing; German.
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
XX CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)

CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences

XX
SQ Sequence 12 BP; 4 A; 4 C; 0 G; 4 T; 0 U; 0 Other;

Query Match 8.5%; Score 11; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 2.4e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1400 GGTAATAATTGT 1410
Db 11 GGTAATAATTGT 1

RESULT 268
ABI34761/c
ID ABI34761 standard; DNA; 12 BP.

XX
AC ABI34761;

XX 22-FEB-2002 (first entry)

DE Oligonucleotide primer SEQ ID NO 334734 for detecting SNP TSC0038375.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX Homo sapiens.

XX WO200177384-A2.

XX 18-OCT-2001.

XX 06-APR-2001; 2001WO-IB000713.

XX 07-APR-2000; 2000DE-01019173.

XX (EPIG-) EPIGENOMICS AG.

XX Olek A, Piepenbrock C, Berlin K;

XX WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.

XX Claim 1; SEQ ID NO 334734; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences

XX Sequence 12 BP; 1 A; 4 C; 0 G; 7 T; 0 U; 0 Other;

Query Match 8.5%; Score 11; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 2.4e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1350 GGAAGAAAAAT 1360
Db 12 GGAAGAAAAAT 2

RESULT 269
ABI81409/c
ID ABI81409 standard; DNA; 12 BP.

XX
AC ABI81409;

XX 22-FEB-2002 (first entry)

DE Oligonucleotide primer SEQ ID NO 381382 for detecting SNP TSC0064322.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX Homo sapiens.

XX WO200177384-A2.

XX 18-OCT-2001.

XX 06-APR-2001; 2001WO-IB000713.

XX 07-APR-2000; 2000DE-01019173.

XX (EPIG-) EPIGENOMICS AG.

XX Olek A, Piepenbrock C, Berlin K;

XX WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.

XX Claim 1; SEQ ID NO 381382; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences

XX Sequence 12 BP; 2 A; 2 C; 0 G; 8 T; 0 U; 0 Other;

Query Match 8.5%; Score 11; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 2.4e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1352 AAGAAAAATAT 1362
Db 12 AAGAAAAATAT 2

RESULT 270
ABI57934/c
ID ABI57934 standard; DNA; 12 BP.

XX

```
AC ABI57934;
XX
XX 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 357907 for detecting SNP TSC0004855.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
XX 18-OCT-2001.
PD
XX
XX 06-APR-2001; 2001WO-IB0000713.
PF
XX
XX 07-APR-2000; 2000DE-01019173.
PR
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
PI
XX WPI; 2001-657177/75.
DR
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
PT
XX
XX Claim 1; SEQ ID NO 357907; 29pp + Sequence Listing; German.
PS
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC9989, ABF0010-ABF9989, ABH0010-ABH9989 and ABI0010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 12 BP; 7 A; 2 C; 0 G; 3 T; 0 U; 0 Other;
SQ
Query Match 8.5%; Score 11; DB 1; Length 12;
Best Local Similarity 100.0%; Pred.No. 2.4e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1407 TTGTTAATGAT 1417
Db 12 TTGTTAATGAT 2

RESULT 271
ABI15258/c
ID ABI15258 standard; DNA; 12 BP.
XX
XX ABI15258;
AC
XX
XX 22-FEB-2002 (first entry)
DT
XX
DE Oligonucleotide primer SEQ ID NO 315231 for detecting SNP TSC0026789.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
OS
XX
PN WO200177384-A2.
XX
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XX 18-OCT-2001.
PD
XX
XX 06-APR-2001; 2001WO-IB0000713.
PF
XX
XX 07-APR-2000; 2000DE-01019173.
PR
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
PI
XX WPI; 2001-657177/75.
DR
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
PT
XX
XX Claim 1; SEQ ID NO 315231; 29pp + Sequence Listing; German.
PS
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC9989, ABF0010-ABF9989, ABH0010-ABH9989 and ABI0010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 12 BP; 4 A; 0 C; 2 G; 6 T; 0 U; 0 Other;
SQ
Query Match 8.5%; Score 11; DB 1; Length 12;
Best Local Similarity 100.0%; Pred.No. 2.4e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1355 AAAAATATTCC 1365
Db 11 AAAAATATTCC 1

RESULT 272
ABI53454/c
ID ABI53454 standard; DNA; 12 BP.
XX
XX ABI53454;
AC
XX
XX 22-FEB-2002 (first entry)
DT
XX
DE Oligonucleotide primer SEQ ID NO 353427 for detecting SNP TSC0048513.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
OS
XX
XX WO200177384-A2.
PN
XX
XX 18-OCT-2001.
PD
XX
XX 06-APR-2001; 2001WO-IB0000713.
PF
XX
XX 07-APR-2000; 2000DE-01019173.
PR
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
PI
XX WPI; 2001-657177/75.
DR
XX
```

PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.

PS Claim 1; SEQ ID NO 353427; 29pp + Sequence Listing; German.

XX

CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences

XX

SQ Sequence 12 BP; 3 A; 0 C; 2 G; 7 T; 0 U; 0 Other;

Query Match 8.5%; Score 11; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 2.4e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1355 AAAAAATATTC 1365
Db 11 AAAAAATATTC 1

RESULT 273
ABH88491/c

ID ABH88491 standard; DNA; 12 BP.

XX

AC ABH88491;

XX

DT 22-FEB-2002 (first entry)

XX

DE Oligonucleotide primer SEQ ID NO 288484 for detecting SNP TSC0013537.

XX

KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX

OS Homo sapiens.

XX

PN WO200177384-A2.

XX

PD 18-OCT-2001.

XX

PF 06-APR-2001; 2001WO-IB0000713.

XX

PR 07-APR-2000; 2000DE-01019173.

XX

PA (EPIG-) EPIGENOMICS AG.

XX

PI Olek A, Piepenbrock C, Berlin K;

XX

DR WPI; 2001-657177/75.

XX

PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.

XX

PS Claim 1; SEQ ID NO 288484; 29pp + Sequence Listing; German.

XX

CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010

CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences

XX

SQ Sequence 12 BP; 2 A; 1 C; 0 G; 9 T; 0 U; 0 Other;

Query Match 8.5%; Score 11; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 2.4e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1352 AAGAAAAATAT 1362
Db 12 AAGAAAAATAT 2

RESULT 274
ABI45142

ID ABI45142 standard; DNA; 12 BP.

XX

AC ABI45142;

XX

DT 22-FEB-2002 (first entry)

XX

DE Oligonucleotide primer SEQ ID NO 345115 for detecting SNP TSC0043880.

XX

KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX

OS Homo sapiens.

XX

PN WO200177384-A2.

XX

PD 18-OCT-2001.

XX

PF 06-APR-2001; 2001WO-IB0000713.

XX

PR 07-APR-2000; 2000DE-01019173.

XX

PA (EPIG-) EPIGENOMICS AG.

XX

PI Olek A, Piepenbrock C, Berlin K;

XX

DR WPI; 2001-657177/75.

XX

PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.

XX

PS Claim 1; SEQ ID NO 345115; 29pp + Sequence Listing; German.

XX

CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences

XX

SQ Sequence 12 BP; 9 A; 0 C; 1 G; 2 T; 0 U; 0 Other;

Query Match 8.5%; Score 11; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 2.4e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1352 AAGAAAAATAT 1362

Db 1 AAGAAAAATAT 11
RESULT 275
ABI47820
ID ABI47820 standard; DNA; 12 BP.
XX AC ABI47820;
XX DT 22-FEB-2002 (first entry)
XX DE Oligonucleotide primer SEQ ID NO 347793 for detecting SNP TSC0045258.
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB0000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 347793; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX Sequence 12 BP; 5 A; 0 C; 1 G; 6 T; 0 U; 0 Other;
SQ Query Match 8.5%; Score 11; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 2.4e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1402 TAAATTTGTTA 1412
Db 1 TAAATTTGTTA 11
RESULT 276
ABC26397
ID ABC26397 standard; DNA; 13 BP.
XX AC ABC26397;
XX DT 20-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 26414 for detecting SNP TSC0006957.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB0000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 26414; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX Sequence 13 BP; 8 A; 1 C; 0 G; 3 T; 0 U; 1 Other;
SQ Query Match 8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 2.7e+02;
Matches 11; Conservative 1; Mismatches 1; Indels 0; Gaps 0;
QY 1352 AAGAAAAATATTC 1364
Db 1 RAAAAAAATATTC 13
RESULT 277
ABC16449
ID ABC16449 standard; DNA; 13 BP.
XX AC ABC16449;
XX DT 20-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 16456 for detecting SNP TSC0003586.
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB0000713.
XX


```
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 16456; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 6 A; 2 C; 0 G; 5 T; 0 U; 0 Other;
Query Match 8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 2.7e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1355 AAAAATATTCC 1365
DB 2 AAAAATATTCC 12
RESULT 278
ABF43214/c
ID ABF43214 standard; DNA; 13 BP.
XX
AC ABF43214;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 143211 for detecting SNP TSC0035935.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 143211; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 6 A; 2 C; 0 G; 5 T; 0 U; 0 Other;
Query Match 8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 2.7e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1355 AAAAATATTCC 1365
DB 2 AAAAATATTCC 12
RESULT 278
ABF43214/c
ID ABF43214 standard; DNA; 13 BP.
XX
AC ABF43214;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 143211 for detecting SNP TSC0035935.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 143211; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 3 A; 1 C; 5 G; 3 T; 0 U; 1 Other;
Query Match 8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 2.7e+02;
Matches 11; Conservative 1; Mismatches 1; Indels 0; Gaps 0;
QY 1358 AATATTCCACGCA 1370
DB 13 RATATTCCCGCA 1
RESULT 279
ABF71859/c
ID ABF71859 standard; DNA; 13 BP.
XX
AC ABF71859;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 171856 for detecting SNP TSC0042837.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 171856; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
```

```
XX SQ Sequence 13 BP; 6 A; 2 C; 0 G; 5 T; 0 U; 0 Other;
Query Match 8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 2.7e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1402 TAAAAATTGTTA 1412
DB 12 TAAAAATTGTTA 2

RESULT 280
ABF43215
ID ABF43215 standard; DNA; 13 BP.
XX
AC ABF43215;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 143212 for detecting SNP TSC0035935.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
AC ABF43215;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 143212 for detecting SNP TSC0035935.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
WPI; 2001-657177/75.
XX
Set of oligonucleotides, useful for diagnosis and cell typing, is
designed to detect single-nucleotide polymorphisms and cytosine
methylation status.
XX
Claim 1; SEQ ID NO 143212; 29pp + Sequence Listing; German.
XX
This invention describes novel oligonucleotide primers or peptide nucleic
acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
and cytosine methylation status in chemically pretreated genomic DNA. The
oligonucleotides are used for diagnosis and/or prognosis of cancer and a
range of diseases including immune system, gastrointestinal, respiratory,
central nervous system, cardiovascular and metabolic disorders. The
oligonucleotides are also used for detecting cell type differentiation. ABC00010
-ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
represent the oligomers described in the invention. NOTE: The sequence
data for this patent did not form part of the printed specification, but
was obtained in electronic format from WIPO at
ftp.wipo.int/pub/published_pct_sequences
XX
Sequence 13 BP; 3 A; 5 C; 1 G; 3 T; 0 U; 1 Other;
Query Match 8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 2.7e+02;
Matches 11; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1358 AATATTCACGCA 1370
DB 1 RATATTCACGCA 13

RESULT 281
```

```
ABF51884
ID ABF51884 standard; DNA; 13 BP.
XX
AC ABF51884;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 151881 for detecting SNP TSC0038376.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
WPI; 2001-657177/75.
XX
Set of oligonucleotides, useful for diagnosis and cell typing, is
designed to detect single-nucleotide polymorphisms and cytosine
methylation status.
XX
Claim 1; SEQ ID NO 151881; 29pp + Sequence Listing; German.
XX
This invention describes novel oligonucleotide primers or peptide nucleic
acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
and cytosine methylation status in chemically pretreated genomic DNA. The
oligonucleotides are used for diagnosis and/or prognosis of cancer and a
range of diseases including immune system, gastrointestinal, respiratory,
central nervous system, cardiovascular and metabolic disorders. The
oligonucleotides are also used for detecting cell type differentiation. ABC00010
-ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
represent the oligomers described in the invention. NOTE: The sequence
data for this patent did not form part of the printed specification, but
was obtained in electronic format from WIPO at
ftp.wipo.int/pub/published_pct_sequences
XX
Sequence 13 BP; 5 A; 0 C; 1 G; 7 T; 0 U; 0 Other;
Query Match 8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 2.7e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1404 AAATTGTTAAT 1414
DB 2 AAATTGTTAAT 12

RESULT 282
ABH34288
ID ABH34288 standard; DNA; 13 BP.
XX
AC ABH34288;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 234265 for detecting SNP TSC0004687.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
```

OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 234265; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 6 A; 0 C; 5 G; 2 T; 0 U; 0 Other;

Query Match 8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 2.7e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1396 AGGAGGTAAAA 1406
Db 3 AGGAGGTAAAA 13

RESULT 283
ABF59619
ID ABF59619 standard; DNA; 13 BP.
XX
AC ABF59619;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 159616 for detecting SNP TSC0040184.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;

XX WPI; 2001-657177/75.
DR
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 159616; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 8 A; 2 C; 0 G; 2 T; 0 U; 1 Other;

Query Match 8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 2.7e+02;
Matches 11; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1354 GAAAAATATTCCA 1366
Db 1 RAAAAAATTTCCA 13

RESULT 284
ABF59620/c
ID ABF59620 standard; DNA; 13 BP.
XX
AC ABF59620;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 159617 for detecting SNP TSC0040184.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 159617; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX

CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 2 A; 0 C; 3 G; 7 T; 0 U; 1 Other;

Query Match 8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 2.7e+02;
Matches 11; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1354 GAAAAATATTCCA 1366
Db :||||| |||||
13 RAAAAACATTCCA 1

RESULT 285
ABH59861/c
ID ABH59861 standard; DNA; 13 BP.
XX
AC ABH59861;
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 259838 for detecting SNP TSC0063098.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.

XX 18-OCT-2001.
PD
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 259838; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX

SQ Sequence 13 BP; 6 A; 5 C; 0 G; 2 T; 0 U; 0 Other;

Query Match 8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 2.7e+02;

Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1451 GATGGTTGAT 1461
Db :||||| |||||
12 GATGGTTGAT 2

RESULT 286
ABC00087/c
ID ABC00087 standard; DNA; 13 BP.
XX
AC ABC00087;
XX
DT 20-FEB-2002 (first entry)
XX

DE Oligonucleotide SEQ ID NO 78 for detecting SNP TSC0000021.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.

XX 18-OCT-2001.
PD
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 78; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX

SQ Sequence 13 BP; 4 A; 2 C; 0 G; 7 T; 0 U; 0 Other;

Query Match 8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 2.7e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1403 AAAATTGTAA 1413
Db :||||| |||||
13 AAAATTGTAA 3

RESULT 287
ABC30738/c
ID ABC30738 standard; DNA; 13 BP.
XX
AC ABC30738;
XX


```
DT 20-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 30755 for detecting SNP TSC0009454.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
DR
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 30755; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
PS Sequence 13 BP; 5 A; 0 C; 2 G; 6 T; 0 U; 0 Other;
XX
CC
CC Query Match 8.5%; Score 11; DB 1; Length 13;
CC Best Local Similarity 100.0%; Pred. No. 2.7e+02;
CC Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1356 AAAATATTCCA 1366
Db 13 AAAATATTCCA 3

RESULT 288
ABC88578
ID ABC88578 standard; DNA; 13 BP.
XX
AC ABC88578;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 88595 for detecting SNP TSC0022266.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
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```
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
DR
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 88595; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 5 A; 0 C; 2 G; 6 T; 0 U; 0 Other;
XX
CC
CC Query Match 8.5%; Score 11; DB 1; Length 13;
CC Best Local Similarity 100.0%; Pred. No. 2.7e+02;
CC Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1404 AAATTGTTAAT 1414
Db 2 AAATTGTTAAT 12

RESULT 289
ABF21400
ID ABF21400 standard; DNA; 13 BP.
XX
AC ABF21400;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 121397 for detecting SNP TSC0030317.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
DR
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
```

PT methylation status.
XX Claim 1; SEQ ID NO 121397; 29pp + Sequence Listing; German.
PS
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 7 A; 0 C; 3 G; 3 T; 0 U; 0 Other;
Query Match 8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 2.7e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1398 GAGGTAAATTT 1408
Db 2 GAGGTAAATTT 12
RESULT 290
ABF38230
ID ABF38230 standard; DNA; 13 BP.
XX
AC ABF38230;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 138227 for detecting SNP TSC0034595.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB0000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 138227; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence

CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 8 A; 0 C; 1 G; 3 T; 0 U; 1 Other;
Query Match 8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 2.7e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1353 AGAAAAATATT 1363
Db 1 AGAAAAATATT 11
RESULT 291
ABF71681
ID ABF71681 standard; DNA; 13 BP.
XX
AC ABF71681;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 171678 for detecting SNP TSC0042792.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB0000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 171678; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 3 A; 6 C; 1 G; 3 T; 0 U; 0 Other;
Query Match 8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 2.7e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1363 TCCACGCATCA 1373
Db 2 TCCACGCATCA 12

RESULT 292
ABH22014
ID ABH22014 standard; DNA; 13 BP.
XX
AC ABH22014;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 221991 for detecting SNP TSC0054021.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB0000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 221991; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 4 A; 0 C; 6 G; 2 T; 0 U; 1 Other;
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 4 A; 0 C; 6 G; 2 T; 0 U; 1 Other;
XX
Query Match 8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 2.7e+02;
Matches 11; Conservative 1; Mismatches 1; Indels 0; Gaps 0;
QY 1446 TGGAGAGATGGGTT 1458
DB 1 TGGAGAGAGGGTY 13
RESULT 293
ABF74985/C
ID ABF74985 standard; DNA; 13 BP.
XX
AC ABF74985;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 174982 for detecting SNP TSC0043499.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;

KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB0000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 174982; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 5 A; 4 C; 0 G; 3 T; 0 U; 1 Other;
XX
Query Match 8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 2.7e+02;
Matches 11; Conservative 1; Mismatches 1; Indels 0; Gaps 0;
QY 1450 AGATGGGTTGATC 1462
DB 13 AGATGGGTTTATY 1
RESULT 294
ABH48500
ID ABH48500 standard; DNA; 13 BP.
XX
AC ABH48500;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 248477 for detecting SNP TSC0060726.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB0000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX

```
PA (EPIG-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
PI WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 248477; 29pp + Sequence Listing; German.
PS
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 8 A; 0 C; 4 G; 0 T; 0 U; 1 Other;

Query Match 8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 2.7e+02;
Matches 11; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1348 GGGGAAGAAAAAT 1360
Db 1 GAGGAAGAAAAAY 13

RESULT 295
ABF39299
ID ABF39299 standard; DNA; 13 BP.
XX
AC ABF39299;
XX
DT 21-FEB-2002 (first entry)
DE Oligonucleotide SEQ ID NO 139296 for detecting SNP TSC0034884.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB0000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
DR
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 139296; 29pp + Sequence Listing; German.
PS
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 8 A; 0 C; 4 G; 0 T; 0 U; 1 Other;

Query Match 8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 2.7e+02;
Matches 11; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1348 GGGGAAGAAAAAT 1360
Db 1 GAGGAAGAAAAAY 13

RESULT 296
ABH17529
ID ABH17529 standard; DNA; 13 BP.
XX
AC ABH17529;
XX
DT 22-FEB-2002 (first entry)
DE Oligonucleotide SEQ ID NO 217506 for detecting SNP TSC0052893.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB0000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
DR
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 217506; 29pp + Sequence Listing; German.
PS
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 8 A; 2 C; 0 G; 3 T; 0 U; 0 Other;

Query Match 8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 2.7e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1356 AAAATATTCCA 1366
Db 1 AAAATATTCCA 11

RESULT 296
ABH17529
ID ABH17529 standard; DNA; 13 BP.
XX
AC ABH17529;
XX
DT 22-FEB-2002 (first entry)
DE Oligonucleotide SEQ ID NO 217506 for detecting SNP TSC0052893.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB0000713.
XX
PR 07-APR-2000; 2000DE-01019173.
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PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
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PT methylation status.
XX Claim 1; SEQ ID NO 217506; 29pp + Sequence Listing; German.
PS
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CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
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XX
SQ Sequence 13 BP; 8 A; 1 C; 0 G; 3 T; 0 U; 1 Other;
```


Query Match 8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 2.7e+02;
Matches 11; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1354 GAAAAATATTCCA 1366
:|||||
Db 1 RAAAAATATTACA 13

RESULT 297
ABF71680/c
ID ABF71680 standard; DNA; 13 BP.
XX
AC ABF71680;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 171677 for detecting SNP TSC0042792.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
AC ABF71680;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 171677 for detecting SNP TSC0042792.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 171677; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 3 A; 1 C; 6 G; 3 T; 0 U; 0 Other;

Query Match 8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 2.7e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1363 TCCACGCATCA 1373
:|||||
Db 12 TCCACGCATCA 2

RESULT 298
ABH59860
ID ABH59860 standard; DNA; 13 BP.

XX
AC ABH59860;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 259837 for detecting SNP TSC0063098.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 259837; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 2 A; 0 C; 5 G; 6 T; 0 U; 0 Other;

Query Match 8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 2.7e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1451 GATGGGTTGAT 1461
:|||||
Db 2 GATGGGTTGAT 12

RESULT 299
ABC11447/c
ID ABC11447 standard; DNA; 13 BP.
XX
AC ABC11447;
XX
DT 20-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 11446 for detecting SNP TSC0002795.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX

PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB0000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 11446; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC9989, ABF0010-ABF9989, ABH0010-ABH9989 and ABI0010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 7 A; 1 C; 0 G; 5 T; 0 U; 0 Other;

Query Match 8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 2.7e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1402 TAAATTTGTTA 1412
Db 11 TAAATTTGTTA 1

RESULT 300
ABH17528/c
ID ABH17528 standard; DNA; 13 BP.
XX
AC ABH17528;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 217505 for detecting SNP TSC0052893.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB0000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 217505; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC9989, ABF0010-ABF9989, ABH0010-ABH9989 and ABI0010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 3 A; 0 C; 1 G; 8 T; 0 U; 1 Other;

Query Match 8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 2.7e+02;
Matches 11; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Qy 1354 GAAAAAATATTTCCA 1366
Db 13 RAAAAAATATTACA 1

RESULT 301
ABH12496/c
ID ABH12496 standard; DNA; 13 BP.
XX
AC ABH12496;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 212473 for detecting SNP TSC0051746.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB0000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 212473; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC9989, ABF0010-ABF9989, ABH0010-ABH9989 and ABI0010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX

CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 4 A; 0 C; 4 G; 5 T; 0 U; 0 Other;

Query Match 8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 2.7e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1357 AAATATTCCAC 1367
Db 12 AAATATTCCAC 2
|||||
RESULT 302
ABH16302
ID ABH16302 standard; DNA; 13 BP.
XX
AC ABH16302;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 216279 for detecting SNP TSC0052604.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIC-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 216279; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
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XX
SQ Sequence 13 BP; 7 A; 0 C; 1 G; 5 T; 0 U; 0 Other;

Query Match 8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 2.7e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1403 AAAATTGTTAA 1413
Db 1 AAAATTGTTAA 11
|||||
RESULT 303
ABC53366/C
ID ABC53366 standard; DNA; 13 BP.
XX
AC ABC53366;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 53383 for detecting SNP TSC0014737.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
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PF 06-APR-2001; 2001WO-IB000713.
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PR 07-APR-2000; 2000DE-01019173.
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XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 53383; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 1 A; 1 C; 6 G; 4 T; 0 U; 1 Other;

Query Match 8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 2.7e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1364 CCACGCATCAC 1374
Db 11 CCACGCATCAC 1
|||||
RESULT 304
ABC11446
ID ABC11446 standard; DNA; 13 BP.
XX
AC ABC11446;
XX
DT 20-FEB-2002 (first entry)
XX

DE Oligonucleotide SEQ ID NO 11445 for detecting SNP TSC0002795.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 11445; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 5 A; 0 C; 1 G; 7 T; 0 U; 0 Other;
XX
Query Match 8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 2.7e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
XX
QY 1402 TAAAAATTGTTA 1412
Db 3 TAAAAATTGTTA 13
XX
RESULT 305
ABC39522
ID ABC39522 standard; DNA; 13 BP.
XX
AC ABC39522;
XX
DT 20-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 39539 for detecting SNP TSC0012088.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.

XX 07-APR-2000; 2000DE-01019173.
PR
XX (EPIG-) EPIGENOMICS AG.
PA
XX Olek A, Piepenbrock C, Berlin K;
PI
XX WPI; 2001-657177/75.
DR
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 39539; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 4 A; 0 C; 2 G; 7 T; 0 U; 0 Other;
XX
Query Match 8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 2.7e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
XX
QY 1401 GTAAAAATTGTT 1411
Db 1 GTAAAAATTGTT 11
XX
RESULT 306
ABH17320/c
ID ABH17320 standard; DNA; 13 BP.
XX
AC ABH17320;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 217297 for detecting SNP TSC0052826.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX

PS Claim 1; SEQ ID NO 217297; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 3 A; 0 C; 2 G; 7 T; 0 U; 1 Other;

Query Match 8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 2.7e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1355 AAAAATATTCC 1365
DB 11 AAAAATATTCC 1
|||||

RESULT 307
ABF34330
ID ABF34330 standard; DNA; 13 BP.
XX
AC ABF34330;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 134327 for detecting SNP TSC0033481.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB0000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 134327; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at

CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 5 A; 0 C; 1 G; 6 T; 0 U; 1 Other;

Query Match 8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 2.7e+02;
Matches 11; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1402 TAAATTTGTTAAT 1414
DB 1 TAAATTTGTTAY 13
|||||

RESULT 308
ABH22015/c
ID ABH22015 standard; DNA; 13 BP.
XX
AC ABH22015;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 221992 for detecting SNP TSC0054021.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB0000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 221992; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 2 A; 6 C; 0 G; 4 T; 0 U; 1 Other;

Query Match 8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 2.7e+02;
Matches 11; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1446 TGAAGATGGGTT 1458
DB 13 TGAAGAGAGGGTY 1
|||||

```
RESULT 309
ABF59621
ID ABF59621 standard; DNA; 13 BP.
XX
AC ABF59621;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 159618 for detecting SNP TSC0040184.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB0000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 159618; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 7 A; 3 C; 0 G; 2 T; 0 U; 1 Other;
XX
Query Match 8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 2.7e+02;
Matches 11; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1354 GAAAAATATTCCA 1366
Db :|||||
1 RAAAAACATTCCA 13

RESULT 310
ABF37536
ID ABF37536 standard; DNA; 13 BP.
XX
AC ABF37536;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 137533 for detecting SNP TSC0034382.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
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XX Homo sapiens.
OS
XX WO200177384-A2.
PN
XX 18-OCT-2001.
PD
XX 06-APR-2001; 2001WO-IB0000713.
PF
XX 07-APR-2000; 2000DE-01019173.
PR
XX (EPIG-) EPIGENOMICS AG.
PA
XX Olek A, Piepenbrock C, Berlin K;
PI
XX WPI; 2001-657177/75.
XX
DR Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
PT
PT Claim 1; SEQ ID NO 137533; 29pp + Sequence Listing; German.
PS
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 8 A; 0 C; 1 G; 4 T; 0 U; 0 Other;
XX
Query Match 8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 2.7e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1353 AGAAAAATATT 1363
Db :|||||
1 AGAAAAATATT 11

RESULT 311
ABF74984
ID ABF74984 standard; DNA; 13 BP.
XX
AC ABF74984;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 174981 for detecting SNP TSC0043499.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB0000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
```

PI Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
DR
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 174981; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 3 A; 0 C; 4 G; 5 T; 0 U; 1 Other;

Query Match 8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 2.7e+02;
Matches 11; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1450 AGATGGGTTGATC 1462
Db 1 AGATGGGTTTATY 13

RESULT 312
ABF51885/c
ID ABF51885 standard; DNA; 13 BP.
XX
AC ABF51885;
XX 21-FEB-2002 (first entry)
DT
XX Oligonucleotide SEQ ID NO 151882 for detecting SNP TSC0038376.
DE
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 151882; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The

CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 7 A; 1 C; 0 G; 5 T; 0 U; 0 Other;

Query Match 8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 2.7e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1404 AAATTGTTAAT 1414
Db 12 AAATTGTTAAT 2

RESULT 313
ABH12210
ID ABH12210 standard; DNA; 13 BP.
XX
AC ABH12210;
XX 22-FEB-2002 (first entry)
DT
XX Oligonucleotide SEQ ID NO 212187 for detecting SNP TSC0009958.
DE
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 212187; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 4 A; 0 C; 2 G; 6 T; 0 U; 1 Other;

Query Match 8.5%; Score 11; DB 1; Length 13;

Best Local Similarity 84.6%; Pred. No. 2.7e+02; Mismatches 1; Indels 0; Gaps 0;

Matches 11; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1408 TGTAAATGATGAC 1420

Db 1 TTTAAATGATGAY 13

RESULT 314

ABC96932/C

ID ABC96932 standard; DNA; 13 BP.

XX AC ABC96932;

XX 21-FEB-2002 (first entry)

XX Oligonucleotide SEQ ID NO 96949 for detecting SNP TSC0024053.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;

KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;

KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX Homo sapiens.

OS WO200177384-A2.

PN 18-OCT-2001.

XX (EPIG-) EPIGENOMICS AG.

PI Olek A, Piepenbrock C, Berlin K;

XX WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is

PT designed to detect single-nucleotide polymorphisms and cytosine

PT methylation status.

XX Claim 1; SEQ ID NO 96949; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic

CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)

CC and cytosine methylation status in chemically pretreated genomic DNA. The

CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a

CC range of diseases including immune system, gastrointestinal, respiratory,

CC central nervous system, cardiovascular and metabolic disorders. The

CC oligomers are also used for detecting cell type differentiation. ABC00010

CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073

CC represent the oligomers described in the invention. NOTE: The sequence

CC data for this patent did not form part of the printed specification, but

CC was obtained in electronic format from WIPO at

CC ftp.wipo.int/pub/published_pct_sequences

XX Query Match 8.5%; Score 11; DB 1; Length 13;

Best Local Similarity 84.6%; Pred. No. 2.7e+02;

Matches 11; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1351 GAAGAAAAAATATT 1363

Db 13 RAAAAAAAATATT 1

RESULT 315

ABC00086

ID ABC00086 standard; DNA; 13 BP.

XX AC ABC00086;

XX 20-FEB-2002 (first entry)

DE Oligonucleotide SEQ ID NO 77 for detecting SNP TSC0000021.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;

KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;

KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX Homo sapiens.

OS WO200177384-A2.

PN 18-OCT-2001.

XX 06-APR-2001; 2001WO-IB000713.

XX 07-APR-2000; 2000DE-01019173.

XX (EPIG-) EPIGENOMICS AG.

PI Olek A, Piepenbrock C, Berlin K;

XX WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is

PT designed to detect single-nucleotide polymorphisms and cytosine

PT methylation status.

XX Claim 1; SEQ ID NO 77; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic

CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)

CC and cytosine methylation status in chemically pretreated genomic DNA. The

CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a

CC range of diseases including immune system, gastrointestinal, respiratory,

CC central nervous system, cardiovascular and metabolic disorders. The

CC oligomers are also used for detecting cell type differentiation. ABC00010

CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073

CC represent the oligomers described in the invention. NOTE: The sequence

CC data for this patent did not form part of the printed specification, but

CC was obtained in electronic format from WIPO at

CC ftp.wipo.int/pub/published_pct_sequences

XX Query Match 8.5%; Score 11; DB 1; Length 13;

Best Local Similarity 100.0%; Pred. No. 2.7e+02;

Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1403 AAAATTGTTAA 1413

Db 1 AAAATTGTTAA 11

RESULT 316

ABF45427

ID ABF45427 standard; DNA; 13 BP.

XX AC ABF45427;

XX 21-FEB-2002 (first entry)

XX Oligonucleotide SEQ ID NO 145424 for detecting SNP TSC0036609.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;

KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;

KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX Homo sapiens.

XX WO200177384-A2.

PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 145424; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 7 A; 2 C; 0 G; 4 T; 0 U; 0 Other;

Query Match 8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 2.7e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1356 AAAATATTCCA 1366
Db 2 AAAATATTCCA 12
|||||

RESULT 317
ABF50149/c
ID ABF50149 standard; DNA; 13 BP.
XX
AC ABF50149;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 150146 for detecting SNP TSC0037898.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is

PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 150146; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 3 A; 0 C; 0 G; 9 T; 0 U; 1 Other;

Query Match 8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 2.7e+02;
Matches 11; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1352 AAGAAAAATATTC 1364
Db 13 AAAAAAATATTY 1
|||||

RESULT 318
ABH12211/c
ID ABH12211 standard; DNA; 13 BP.
XX
AC ABH12211;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 212188 for detecting SNP TSC0009958.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 212188; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX

CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 6 A; 2 C; 0 G; 4 T; 0 U; 1 Other;

Query Match 8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 2.7e+02;
Matches 11; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1408 TGTAAATGATGAC 1420
DB 13 TTTTAAATGATGAY 1

RESULT 319
ABC27529
ID ABC27529 standard; DNA; 13 BP.
XX
AC ABC27529;
XX
DT 20-FEB-2002 (first entry)
DE Oligonucleotide SEQ ID NO 27546 for detecting SNP TSC0007666.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
AC ABC27529;
XX
DT 20-FEB-2002 (first entry)
DE Oligonucleotide SEQ ID NO 27546 for detecting SNP TSC0007666.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 27546; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 6 A; 3 C; 0 G; 4 T; 0 U; 0 Other;

Query Match 8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 2.7e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1355 AAAAATATTCC 1365
|||||

Db 2 AAAAATATTCC 12

RESULT 320
ABC30739
ID ABC30739 standard; DNA; 13 BP.
XX
AC ABC30739;
XX
DT 20-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 30756 for detecting SNP TSC0009454.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 30756; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 6 A; 2 C; 0 G; 5 T; 0 U; 0 Other;

Query Match 8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 2.7e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1356 AAAATATTCCA 1366
|||||
DB 1 AAAATATTCCA 11

RESULT 321
ABF19739/c
ID ABF19739 standard; DNA; 13 BP.
XX
AC ABF19739;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 119736 for detecting SNP TSC0029876.
XX

KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 119736; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF0010-ABF99989, ABH0010-ABH99989 and ABI0010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 3 A; 2 C; 0 G; 7 T; 0 U; 1 Other;

Query Match 8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 2.7e+02;
Matches 11; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1351 GAAGAAAAATATT 1363
Db 13 GAAGAAAAATTTT 1
|||||
13 GAAGAAAAATTTT 1

RESULT 322
ABF34331/c
ID ABF34331 standard; DNA; 13 BP.
XX
AC ABF34331;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 134328 for detecting SNP TSC0033481.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.

XX (EPIG-) EPIGENOMICS AG.
PA
XX Olek A, Piepenbrock C, Berlin K;
PI
XX WPI; 2001-657177/75.
DR
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 134328; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF0010-ABF99989, ABH0010-ABH99989 and ABI0010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 6 A; 1 C; 0 G; 5 T; 0 U; 1 Other;

Query Match 8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 2.7e+02;
Matches 11; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1402 TAAAAATTGTTAAT 1414
Db 13 TAAAAATTGTTAY 1
|||||
13 TAAAAATTGTTAY 1

RESULT 323
ABF71858
ID ABF71858 standard; DNA; 13 BP.
XX
AC ABF71858;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 171855 for detecting SNP TSC0042837.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 171855; 29pp + Sequence Listing; German.
XX

CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX

SQ Sequence 13 BP; 5 A; 0 C; 2 G; 6 T; 0 U; 0 Other;

Query Match 8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 2.7e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1402 TAAATTTGTTA 1412

Db 2 TAAATTTGTTA 12

RESULT 324

ABF78654/c

ID ABF78654 standard; DNA; 13 BP.

XX

AC ABF78654;

XX

DT 22-FEB-2002 (first entry)

XX

DE Oligonucleotide SEQ ID NO 178651 for detecting SNP TSC0044255.

XX

KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX

OS Homo sapiens.

XX

PN WO200177384-A2.

XX

PD 18-OCT-2001.

XX

PF 06-APR-2001; 2001WO-IB0000713.

XX

PR 07-APR-2000; 2000DE-01019173.

XX

PA (EPIG-) EPIGENOMICS AG.

XX

PI Olek A, Piepenbrock C, Berlin K;

XX

DR WPI; 2001-657177/75.

XX

PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.

XX

PS Claim 1; SEQ ID NO 178651; 29pp + Sequence Listing; German.

XX

CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX

SQ Sequence 13 BP; 4 A; 0 C; 4 G; 5 T; 0 U; 0 Other;

Query Match 8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 2.7e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1357 AAATATTCCAC 1367

Db 13 AAATATTCCAC 3

RESULT 325

ABC82263/c

ID ABC82263 standard; DNA; 13 BP.

XX

AC ABC82263;

XX

DT 21-FEB-2002 (first entry)

XX

DE Oligonucleotide SEQ ID NO 82280 for detecting SNP TSC0020783.

XX

KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX

OS Homo sapiens.

XX

PN WO200177384-A2.

XX

PD 18-OCT-2001.

XX

PF 06-APR-2001; 2001WO-IB0000713.

XX

PR 07-APR-2000; 2000DE-01019173.

XX

PA (EPIG-) EPIGENOMICS AG.

XX

PI Olek A, Piepenbrock C, Berlin K;

XX

DR WPI; 2001-657177/75.

XX

PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.

XX

PS Claim 1; SEQ ID NO 82280; 29pp + Sequence Listing; German.

XX

CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX

SQ Sequence 13 BP; 4 A; 4 C; 0 G; 4 T; 0 U; 1 Other;

Query Match 8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 2.7e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1409 GTTAATGATGA 1419

Db 13 GTTAATGATGA 3

RESULT 326

ABF34022/c

ID ABF34022 standard; DNA; 13 BP.
XX
AC ABF34022;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 134019 for detecting SNP TSC0033419.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB0000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 134019; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 5 A; 0 C; 2 G; 6 T; 0 U; 0 Other;

Query Match 8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 2.7e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1356 AAAATATTCCA 1366
Db 11 AAAATATTCCA 1

RESULT 327
ABF44842/c
ID ABF44842 standard; DNA; 13 BP.
XX
AC ABF44842;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 144839 for detecting SNP TSC0036426.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.

XX WO200177384-A2.
PN
XX 18-OCT-2001.
PD
XX 06-APR-2001; 2001WO-IB0000713.
PF
XX 07-APR-2000; 2000DE-01019173.
PR
XX (EPIG-) EPIGENOMICS AG.
PA
XX Olek A, Piepenbrock C, Berlin K;
PI
XX WPI; 2001-657177/75.
DR
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 144839; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 4 A; 0 C; 2 G; 6 T; 0 U; 1 Other;

Query Match 8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 2.7e+02;
Matches 11; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Qy 1354 GAAAAATATTCCA 1366
Db 13 RAAAAATTTTCCA 1

RESULT 328
ABH20328
ID ABH20328 standard; DNA; 13 BP.
XX
AC ABH20328;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 220305 for detecting SNP TSC0008997.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB0000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX

DR WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 220305; 29pp + Sequence Listing; German.
PS
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 3 A; 0 C; 5 G; 4 T; 0 U; 1 Other;

Query Match 8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 2.7e+02;
Matches 11; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1446 TGGAGAGATGGGTT 1458
Db 1 TGGAGAGATGGTY 13

RESULT 329
ABF50148
ID ABF50148 standard; DNA; 13 BP.
XX
AC ABF50148;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 150145 for detecting SNP TSC0037898.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 150145; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,

CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 9 A; 0 C; 0 G; 3 T; 0 U; 1 Other;

Query Match 8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 2.7e+02;
Matches 11; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1352 AAGAAAAATATTC 1364
Db 1 AAAAAAATATTY 13

RESULT 330
ABH01235
ID ABH01235 standard; DNA; 13 BP.
XX
AC ABH01235;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 201212 for detecting SNP TSC0049504.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 201212; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 6 A; 3 C; 0 G; 3 T; 0 U; 1 Other;

Query Match 8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 2.7e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```

QY 1356 AAAATATTCCA 1366
    |||||
Db 3 AAAATATTCCA 13

RESULT 331
ABH36383
ID ABH36383 standard; DNA; 13 BP.
XX
AC ABH36383;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 236360 for detecting SNP TSC0057697.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIC-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 236360; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 7 A; 3 C; 0 G; 2 T; 0 U; 1 Other;

Query Match 8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 2.7e+02;
Matches 11; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1354 GAAAAATATTCCA 1366
    :|||||
Db 1 RAAAAATACTCCA 13

RESULT 332
ABF44843
ID ABF44843 standard; DNA; 13 BP.
XX
AC ABF44843;
XX
DT 21-FEB-2002 (first entry)
XX

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PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 220306; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 4 A; 5 C; 0 G; 3 T; 0 U; 1 Other;
XX
Query Match 8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 2.7e+02;
Matches 11; Conservative 1; Mismatches 1; Indels 0; Gaps 0;
XX
QY 1446 TGAAGATGGGTT 1458
Db 13 TGAAGATTGGTY 1
XX
RESULT 334
ABF84488
ID ABF84488 standard; DNA; 13 BP.
XX
AC ABF84488;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 184485 for detecting SNP TSC0045528.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
```

```
XX
PS Claim 1; SEQ ID NO 184485; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 8 A; 0 C; 1 G; 4 T; 0 U; 0 Other;
XX
Query Match 8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 2.7e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
XX
QY 1352 AAGAAAAATAT 1362
Db 3 AAGAAAAATAT 13
XX
RESULT 335
ABF84489/c
ID ABF84489 standard; DNA; 13 BP.
XX
AC ABF84489;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 184486 for detecting SNP TSC0045528.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 184486; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
```


XX	SNP; single nucleotide polymorphism; human; diagnosis; pNA; cancer; pNA; CNS;
KW	peptide nucleic acid; cytosine methylation; cardiovascular; cancer; as;
KW	peptide nucleic acid; cytosine methylation; cardiovascular; cancer; as;

CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences

XX SQ Sequence 13 BP; 2 A; 5 C; 0 G; 6 T; 0 U; 0 Other;
Query Match 8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 2.7e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1396 AGGAGGTAAAA 1406
Db 11 AGGAGGTAAAA 1

RESULT 341
ABF59747/c
ID ABF59747 standard; DNA; 13 BP.
XX AC ABF59747;
XX DT 21-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 159744 for detecting SNP TSC0040212.

XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.

XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX DR WPI; 2001-657177/75.

XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.

XX PS Claim 1; SEQ ID NO 159744; 29pp + Sequence Listing; German.
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences

XX SQ Sequence 13 BP; 5 A; 3 C; 0 G; 5 T; 0 U; 0 Other;

Query Match 8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 2.7e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1398 GAGGTAAATTT 1408
Db 12 GAGGTAAATTT 2

RESULT 342
ABH36382/c
ID ABH36382 standard; DNA; 13 BP.
XX AC ABH36382;
XX DT 22-FEB-2002 (first entry)

XX DE Oligonucleotide SEQ ID NO 236359 for detecting SNP TSC0057697.
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.

XX PN WO200177384-A2.
XX PD 18-OCT-2001.

XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.

XX PI Olek A, Piepenbrock C, Berlin K;
XX DR WPI; 2001-657177/75.

XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.

XX PS Claim 1; SEQ ID NO 236359; 29pp + Sequence Listing; German.
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences

XX SQ Sequence 13 BP; 2 A; 0 C; 3 G; 7 T; 0 U; 1 Other;
Query Match 8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 2.7e+02;
Matches 11; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1354 GAAAAATATTTCCA 1366
Db 13 RAAAAATACTCCA 1

RESULT 343
ABC96933
ID ABC96933 standard; DNA; 13 BP.
XX

AC ABC96933;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 96950 for detecting SNP TSC0024053.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB0000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
DR
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 96950; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 9 A; 0 C; 0 G; 3 T; 0 U; 1 Other;
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 9 A; 0 C; 0 G; 3 T; 0 U; 1 Other;
XX
Query Match 8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 2.7e+02;
Matches 11; Conservative 1; Mismatches 1; Indels 0; Gaps 0;
QY 1351 GAAGAAAAATATT 1363
Db :||| ||||| |||||
1 RAAAAAAATATT 13
RESULT 344
ABC26396/C
ID ABC26396 standard; DNA; 13 BP.
XX
AC ABC26396;
XX
DT 20-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 26413 for detecting SNP TSC0006957.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.

XX 18-OCT-2001.
PD
XX
PF 06-APR-2001; 2001WO-IB0000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
DR
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 26413; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 3 A; 0 C; 1 G; 8 T; 0 U; 1 Other;
XX
Query Match 8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 2.7e+02;
Matches 11; Conservative 1; Mismatches 1; Indels 0; Gaps 0;
QY 1352 AAGAAAAATATTTC 1364
Db :||| ||||| |||||
13 RAAAAAAATATTTC 1
RESULT 345
ABC53367
ID ABC53367 standard; DNA; 13 BP.
XX
AC ABC53367;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 53384 for detecting SNP TSC0014737.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB0000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX


```
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 53384; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 4 A; 6 C; 1 G; 1 T; 0 U; 1 Other;

Query Match      8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 2.7e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1364 CCACGCATCAC 1374
Db 3 CCACGCATCAC 13

RESULT 346
ABC85187/c
ID ABC85187 standard; DNA; 13 BP.
XX
AC ABC85187;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 85204 for detecting SNP TSC0021429.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB0000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIC-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
PS Claim 1; SEQ ID NO 85204; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 4 A; 6 C; 1 G; 1 T; 0 U; 1 Other;

Query Match      8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 2.7e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1364 CCACGCATCAC 1374
Db 3 CCACGCATCAC 13

RESULT 346
ABC85187/c
ID ABC85187 standard; DNA; 13 BP.
XX
AC ABC85187;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 85204 for detecting SNP TSC0021429.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB0000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIC-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
PS Claim 1; SEQ ID NO 85204; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 4 A; 6 C; 1 G; 1 T; 0 U; 1 Other;

Query Match      8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 2.7e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1364 CCACGCATCAC 1374
Db 3 CCACGCATCAC 13

RESULT 347
ABC13333
ID ABC13333 standard; DNA; 13 BP.
XX
AC ABC13333;
XX
DT 20-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 13340 for detecting SNP TSC0003085.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB0000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIC-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
PS Claim 1; SEQ ID NO 13340; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 7 A; 2 C; 0 G; 4 T; 0 U; 0 Other;

Query Match      8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 2.7e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1406 ATTGTTAATGA 1416
Db 11 ATTGTTAATGA 1

RESULT 347
ABC13333
ID ABC13333 standard; DNA; 13 BP.
XX
AC ABC13333;
XX
DT 20-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 13340 for detecting SNP TSC0003085.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB0000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIC-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
PS Claim 1; SEQ ID NO 13340; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 6 A; 0 C; 0 G; 6 T; 0 U; 1 Other;

Query Match      8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 2.7e+02;
Matches 11; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1401 GTAAATTTGTTAA 1413
```

```
Db      :|||||  |||||
1 RTAAATTTTAA 13

RESULT 348
ABC16448/c
ID ABC16448 standard; DNA; 13 BP.
XX
AC
XX
XX
DT 20-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 16455 for detecting SNP TSC0003586.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 16455; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
PS Sequence 13 BP; 5 A; 0 C; 2 G; 6 T; 0 U; 0 Other;
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 5 A; 0 C; 2 G; 6 T; 0 U; 0 Other;

Query Match      8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 2.7e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1355 AAAAATATTC 1365
Db 12 AAAAATATTC 2
|||||

RESULT 349
ABF38231/c
ID ABF38231 standard; DNA; 13 BP.
XX
AC ABF38231;
XX
XX 21-FEB-2002 (first entry)
DT
XX
DE Oligonucleotide SEQ ID NO 138228 for detecting SNP TSC0034595.

XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
XX WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 138228; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 3 A; 1 C; 0 G; 8 T; 0 U; 1 Other;

Query Match      8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 2.7e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1353 AGAAAAATATT 1363
Db 13 AGAAAAATATT 3
|||||

RESULT 350
ABH19277
ID ABH19277 standard; DNA; 13 BP.
XX
AC ABH19277;
XX
XX 22-FEB-2002 (first entry)
DT
XX
DE Oligonucleotide SEQ ID NO 219254 for detecting SNP TSC0053312.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
XX WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
```



```
XX SQ Sequence 13 BP; 5 A; 0 C; 3 G; 5 T; 0 U; 0 Other;
Query Match      8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 2.7e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1398 GAGGTAAAAATT 1408
Db 2 GAGGTAAAAATT 12

RESULT 353
ABC82262
ID ABC82262 standard; DNA; 13 BP.
XX AC ABC82262;
XX DT 21-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 82279 for detecting SNP TSC0020783.
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX Claim 1; SEQ ID NO 82279; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX Sequence 13 BP; 4 A; 0 C; 4 G; 4 T; 0 U; 1 Other;
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX Sequence 13 BP; 4 A; 0 C; 4 G; 4 T; 0 U; 1 Other;
XX Query Match      8.5%; Score 11; DB 1; Length 13;
XX Best Local Similarity 100.0%; Pred. No. 2.7e+02;
XX Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1409 GTTAATGATGA 1419
Db 1 GTTAATGATGA 11

RESULT 354
XX SQ Sequence 13 BP; 5 A; 0 C; 3 G; 5 T; 0 U; 0 Other;
Query Match      8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 2.7e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1398 GAGGTAAAAATT 1408
Db 2 GAGGTAAAAATT 12

RESULT 353
ABH19276/c
ID ABH19276 standard; DNA; 13 BP.
XX AC ABH19276;
XX DT 22-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 219253 for detecting SNP TSC0053312.
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
```


OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 219253; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 2 A; 0 C; 3 G; 7 T; 0 U; 1 Other;

Query Match 8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 2.7e+02;
Matches 11; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1433 GCAGACATATACA 1445
DB :|||||
13 RCACATATACA 1

RESULT 356
ABF74152/c
ID ABF74152 standard; DNA; 13 BP.
XX
AC ABF74152;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 174149 for detecting SNP TSC0043329.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;

XX WPI; 2001-657177/75.
DR
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 174149; 29pp + Sequence Listing; German.
PS
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 2 A; 0 C; 2 G; 8 T; 0 U; 1 Other;

Query Match 8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 2.7e+02;
Matches 11; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1354 GAAAAAATATCCA 1366
DB :|||||
13 RAAAAAATATCCA 1

RESULT 357
ABH12497
ID ABH12497 standard; DNA; 13 BP.
XX
AC ABH12497;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 212474 for detecting SNP TSC0051746.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 212474; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligomers are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX

CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 5 A; 4 C; 0 G; 4 T; 0 U; 0 Other;

Query Match 8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 2.7e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1357 AAATATTCAC 1367
Db 2 AAATATTCAC 12

RESULT 358
ABH16303/C
ID ABH16303 standard; DNA; 13 BP.
XX
AC ABH16303;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 216280 for detecting SNP TSC0052604.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.

XX 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB0000713.
XX
PR 07-APR-2000; 2000DE-01019173.

XX (EPIG-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 216280; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX

SQ Sequence 13 BP; 5 A; 1 C; 0 G; 7 T; 0 U; 0 Other;

Query Match 8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 2.7e+02;

Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1403 AAAATTGTAA 1413
Db 13 AAAATTGTAA 3

RESULT 359
ABC27528/c
ID ABC27528 standard; DNA; 13 BP.
XX
AC ABC27528;
XX
DT 20-FEB-2002 (first entry)

XX Oligonucleotide SEQ ID NO 27545 for detecting SNP TSC0007666.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.

XX WO200177384-A2.
XX
PD 18-OCT-2001.

XX 06-APR-2001; 2001WO-IB0000713.
XX
PR 07-APR-2000; 2000DE-01019173.

XX (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;

XX WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.

XX Claim 1; SEQ ID NO 27545; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX

SQ Sequence 13 BP; 4 A; 0 C; 3 G; 6 T; 0 U; 0 Other;

Query Match 8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 2.7e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1355 AAAATATTC 1365
Db 12 AAAATATTC 2

RESULT 360
ABC85186
ID ABC85186 standard; DNA; 13 BP.

XX
XX ABC85186;

```
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 85203 for detecting SNP TSC0021429.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB0000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 85203; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 4 A; 0 C; 2 G; 7 T; 0 U; 0 Other;
XX
Query Match 8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 2.7e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1406 ATTGTTAATGA 1416
Db :|||||
3 ATTGTTAATGA 13

RESULT 361
ABC13332/c
ID ABC13332 standard; DNA; 13 BP.
XX
AC ABC13332;
XX
DT 20-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 13339 for detecting SNP TSC0003085.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
```

```
XX 06-APR-2001; 2001WO-IB0000713.
PF
XX 07-APR-2000; 2000DE-01019173.
PR
XX (EPIG-) EPIGENOMICS AG.
PA
XX Olek A, Piepenbrock C, Berlin K;
PI
XX WPI; 2001-657177/75.
DR
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 13339; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 6 A; 0 C; 0 G; 6 T; 0 U; 1 Other;
XX
Query Match 8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 2.7e+02;
Matches 11; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1401 GTAAAATTGTTAA 1413
Db :|||||
13 RTAAAATTTTTAA 1

RESULT 362
ABC64298
ID ABC64298 standard; DNA; 13 BP.
XX
AC ABC64298;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 64315 for detecting SNP TSC0016972.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB0000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
DR
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT designed to detect single-nucleotide polymorphisms and cytosine
```

PT methylation status.
XX Claim 1; SEQ ID NO 64315; 29pp + Sequence Listing; German.
PS
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF0010-ABF99989, ABH0010-ABH99989 and ABI0010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 7 A; 0 C; 1 G; 5 T; 0 U; 0 Other;
Query Match 8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 2.7e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1353 AGAAAAATATT 1363
Db 2 AGAAAAATATT 12
RESULT 363
ABH17321
ID ABH17321 standard; DNA; 13 BP.
XX
AC ABH17321;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 217298 for detecting SNP TSC0052826.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB0000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 217298; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF0010-ABF99989, ABH0010-ABH99989 and ABI0010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence

CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 7 A; 2 C; 0 G; 3 T; 0 U; 1 Other;
Query Match 8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 2.7e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1355 AAAAATATTCC 1365
Db 3 AAAAATATTCC 13
RESULT 364
ABF34023
ID ABF34023 standard; DNA; 13 BP.
XX
AC ABF34023;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 134020 for detecting SNP TSC0033419.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB0000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 134020; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF0010-ABF99989, ABH0010-ABH99989 and ABI0010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 6 A; 2 C; 0 G; 5 T; 0 U; 0 Other;
Query Match 8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 2.7e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1356 AAAATATTCCA 1366
Db 3 AAAATATTCCA 13


```
RESULT 365
ABF39298/c
ID ABE39298 standard; DNA; 13 BP.
XX
AC ABE39298;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 139295 for detecting SNP TSC0034884.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 139295; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 3 A; 0 C; 2 G; 8 T; 0 U; 0 Other;
XX
Query Match 8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 2.7e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1356 AAAATATTCCA 1366
Db 13 AAAATATTCCA 3

RESULT 366
ABF45426/c
ID ABF45426 standard; DNA; 13 BP.
XX
AC ABF45426;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 145423 for detecting SNP TSC0036609.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
```

```
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 145423; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 4 A; 0 C; 2 G; 7 T; 0 U; 0 Other;
XX
Query Match 8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 2.7e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1356 AAAATATTCCA 1366
Db 12 AAAATATTCCA 2

RESULT 367
ABF56090
ID ABF56090 standard; DNA; 13 BP.
XX
AC ABF56090;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 156087 for detecting SNP TSC0039379.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
```

PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 156087; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 3 A; 0 C; 2 G; 8 T; 0 U; 0 Other;

Query Match 8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 2.7e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1407 TTGTTAATGAT 1417
Db 2 TTGTTAATGAT 12

RESULT 368
ABH08766/c
ID ABH08766 standard; DNA; 13 BP.
XX
AC ABH08766;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 208743 for detecting SNP TSC0050985.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 208743; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic

CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 4 A; 0 C; 3 G; 6 T; 0 U; 0 Other;

Query Match 8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 2.7e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1357 AAATATTCCAC 1367
Db 13 AAATATTCCAC 3

RESULT 369
ABH08767
ID ABH08767 standard; DNA; 13 BP.
XX
AC ABH08767;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 208744 for detecting SNP TSC0050985.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 208744; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 6 A; 3 C; 0 G; 4 T; 0 U; 0 Other;

```

Query Match      8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 2.7e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1357 AAATATTCCAC 1367
Db 1 AAATATTCCAC 11

RESULT 370
ABF59618/c
ID ABF59618 standard; DNA; 13 BP.
XX
AC ABF59618;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 159615 for detecting SNP TSC0040184.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
AC ABF59618;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 159615 for detecting SNP TSC0040184.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 159615; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 2 A; 0 C; 2 G; 8 T; 0 U; 1 Other;

Query Match      8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 2.7e+02;
Matches 11; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1354 GAAAAATATTCCA 1366
Db 13 RAAAAAAATTTCCA 1

RESULT 371
ABH48501/c
ID ABH48501 standard; DNA; 13 BP.
XX
```

```

XX
AC ABH48501;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 248478 for detecting SNP TSC0060726.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 248478; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 0 A; 4 C; 0 G; 8 T; 0 U; 1 Other;

Query Match      8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 2.7e+02;
Matches 11; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1348 GGGGAAGAAAAAT 1360
Db 13 GAGGAAGAAAAAY 1

RESULT 372
ABC39523/c
ID ABC39523 standard; DNA; 13 BP.
XX
AC ABC39523;
XX
DT 20-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 39540 for detecting SNP TSC0012088.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
```

```
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB0000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 39540; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 7 A; 2 C; 0 G; 4 T; 0 U; 0 Other;
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 7 A; 2 C; 0 G; 4 T; 0 U; 0 Other;
XX
Query Match 8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 2.7e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
XX
QY 1401 GTAAATGTT 1411
Db 13 GTAAATGTT 3
XX
RESULT 373
ABF19738
ID ABF19738 standard; DNA; 13 BP.
XX
AC ABF19738;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 119735 for detecting SNP TSC0029876.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 119735 for detecting SNP TSC0029876.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB0000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 119735; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 7 A; 0 C; 2 G; 3 T; 0 U; 1 Other;
XX
Query Match 8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 2.7e+02;
Matches 11; Conservative 1; Mismatches 1; Indels 0; Gaps 0;
XX
QY 1351 GAAGAAAAATATT 1363
Db 1 GAAGAAAAATTTY 13
XX
RESULT 374
ABF37537/c
ID ABF37537 standard; DNA; 13 BP.
XX
AC ABF37537;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 137534 for detecting SNP TSC0034382.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB0000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 137534; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
```


CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 4 A; 1 C; 0 G; 8 T; 0 U; 0 Other;

Query Match 8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 2.7e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1353 AGAAAAATATT 1363
Db 13 AGAAAAATATT 3

RESULT 375
ABF78655
ID ABF78655 standard; DNA; 13 BP.
XX
AC ABF78655;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 178652 for detecting SNP TSC0044255.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 178652; 29pp + Sequence Listing; German.
XX

This invention describes novel oligonucleotide primers or peptide nucleic acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP) and cytosine methylation status in chemically pretreated genomic DNA. The oligonucleotides are used for diagnosis and/or prognosis of cancer and a range of diseases including immune system, gastrointestinal, respiratory, central nervous system, cardiovascular and metabolic disorders. The oligomers are also used for detecting cell type differentiation. ABC00010 -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073 represent the oligomers described in the invention. NOTE: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format from WIPO at ftp.wipo.int/pub/published_pct_sequences

Sequence 13 BP; 5 A; 4 C; 0 G; 4 T; 0 U; 0 Other;

Query Match 8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 2.7e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1357 AAATATTCCAC 1367
Db 1 AAATATTCCAC 11

RESULT 376
ADE15253
ID ADE15253 standard; DNA; 14 BP.
XX
AC ADE15253;
XX
DT 29-JAN-2004 (first entry)
XX
DE Transcription inhibition detection related promoter element seqid 6.
XX
KW antibacterial; transcription; transcription unit;
KW gene expression inhibition; transcription unit inhibition;
KW bacterial growth inhibition; promoter element; ds.
XX
OS Unidentified.
XX
PN US6605431-B1.
XX
PD 12-AUG-2003.
XX
PF 17-AUG-1999; 99US-00375673.
XX
PR 17-AUG-1999; 99US-00375673.
XX
PA (WISC) WISCONSIN ALUMNI RES FOUND.
XX
PI Gourse RL, Estrem ST, Ross WE, Gaal T;
XX
DR WPI; 2003-851203/79.
XX
PT Detecting whether compound alters transcription of transcription unit by
PT providing reaction mixture of first polynucleotide, adding test compound
PT to reaction mixture and detecting amount of transcription product.
XX
PS Example 3; SEQ ID NO 6; 38pp; English.
XX

The invention describes a method of detecting whether a compound alters transcription of a transcription unit comprising providing a reaction mixture comprising a RNA polymerase and a first polynucleotide that contains a first promoter operably linked to a transcription unit, adding the compound to the reaction mixture and detecting amount of transcription product. The method is useful for determining whether the compound alters the transcription unit. The compound can be used to inhibit expression of transcription units and inhibit growth of bacteria. This sequence represents a promoter element associated with the method of detecting altered transcription.

Sequence 14 BP; 7 A; 0 C; 2 G; 5 T; 0 U; 0 Other;

Query Match 8.5%; Score 11; DB 1; Length 14;
Best Local Similarity 100.0%; Pred. No. 3e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1353 AGAAAAATATT 1363
Db 1 AGAAAAATATT 11

RESULT 377
AAA48271
ID AAA48271 standard; DNA; 15 BP.
XX
AC AAA48271;
XX
DT 28-SEP-2000 (first entry)
XX
DE E. coli ompA gene fragment, comprising ribosome binding site and 5'UTR.
XX

KW Antigen presentation; vaccine; infectious disease; allergy; cancer;
KW molecular scaffold; immune response; farm animal; organiser; hGH;
KW immunostimulatory; cytostatic; antiallergy; human growth hormone;
KW FOS leucine zipper; OmpA; outer membrane protein; ss.
XX Escherichia coli.
OS
XX
XX
PN WO200032227-A2.
XX
PD 08-JUN-2000.
XX
XX
PF 30-NOV-1999; 99WO-IB001925.
XX
PR 30-NOV-1998; 98US-0110414P.
PR 08-JUL-1999; 99US-0142788P.
XX
PA (CYTO-) CYTOS BIOTECHNOLOGY AG.
XX
PI Renner WA, Hennecke F, Nieba L, Bachmann M;
XX WPI; 2000-412159/35.
DR
XX
XX Composition for use as vaccine against infectious diseases and in
PT treatment of cancer and allergies comprises non-naturally occurring
PT molecular scaffold and antigen or antigenic determinant.
XX
XX Example 6; Page 47; 102pp; English.
XX
CC A new method for developing vaccines has been identified, in which a non-
CC naturally occurring molecular scaffold, having a core particle and a
CC covalently attached organiser, is attached to an antigen or antigenic
CC determinant. The scaffold and antigen or antigenic determinant interact
CC to form an ordered and repetitive antigen array. The composition is
CC useful as a vaccine against infectious diseases, to induce immune
CC responses in farm animals and also in the treatment of cancer and
CC allergies. The human Growth Hormone, hGH, protein was used as the
CC scaffold in the present invention, and was fused to E. coli outer
CC membrane protein, OmpA signal sequence which is a FOS leucine zipper
CC protein domain. The FOS domain formed the antigen attachment site. The
CC present sequence is E. coli ompA gene fragment, comprising the ribosome
CC binding site and 5'UTR. This sequence was used in the construction of the
CC pAV vector series. The pAV vectors were used to express the FOS fusion
CC proteins in E. coli
XX
SQ Sequence 15 BP; 8 A; 1 C; 5 G; 1 T; 0 U; 0 Other;

Query Match 8.5%; Score 11; DB 1; Length 15;
Best Local Similarity 100.0%; Pred. No. 3.2e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1396 AGGAGGTAAAA 1406
Db 1 AGGAGGTAAAA 11
|||||

RESULT 378
AAD15741
ID AAD15741 standard; DNA; 15 BP.
XX
AC AAD15741;
XX
DT 15-NOV-2001 (first entry)
XX
DE Human interleukin 15 (IL-15) gene polymorphism detecting ASO probe #11.
XX
KW Human; interleukin 15; IL-15; gene therapy; chromosome 4q31; infection;
KW drug screening; anthropological lineage; paternity testing; HIV; probe;
KW Human Immunodeficiency Virus; forensic application; T-cell leukaemia;
KW ASO; allele-specific oligonucleotide; ss.
XX
OS Homo sapiens.
XX
PN WO200158914-A2.

XX 16-AUG-2001.
PD
XX
XX
PF 08-FEB-2001; 2001WO-US004130.
XX
XX
PR 08-FEB-2000; 2000US-0181059P.
XX
PA (GENA-) GENAISSANCE PHARM INC.
XX
PI Anastasio AE, Chew A, Denton RR, Nandabalan K, Stephens JC;
XX WPI; 2001-522460/57.
DR
XX
XX Novel polynucleotides comprising one of 11, PSl-PS11, single nucleotide
PT polymorphisms in human interleukin-15 gene, and useful for treating
PT disorders affected by expression of function of interleukin-15 isogene.
XX
XX Claim 16; Page 16; 78pp; English.
PS
XX
XX The present sequence is allele-specific oligonucleotide (ASO) probe
CC useful for detecting human interleukin-15 (IL-15) gene polymorphism
CC located on chromosome 4q31. The polymorphic variants of IL-15 genes are
CC useful for studying the expression and function of IL-15 and expressing
CC IL-15 protein for use in useful for screening for candidate drugs to
CC treat diseases related to IL-15 activity. Genotyping or haplotyping an
CC individual at the novel IL-15 polymorphic sites are useful for studying
CC population diversity, anthropological lineage, the significance of
CC diversity and lineage of the phenotypic level, paternity testing,
CC forensic applications and for identifying associations between IL-15
CC genetic variation and a trait such as level of drug response or
CC susceptibility to disease. Identifying an association between a genotype
CC or haplotype and a trait, is useful for developing diagnostic tests and
CC therapeutic treatments for infections, human immunodeficiency virus and
CC -cell leukaemia. The identification of an association between a clinical
CC response and a genotype or haplotype (or haplotype pair) for the IL-15
CC gene may be the basis for designing a diagnostic method to determine
CC those individuals who will or will not respond to the treatment, or
CC alternatively, will respond at a lower level and thus may require more
CC treatment, i.e. a greater dose of a drug. The genotyping or haplotyping
CC methods are also useful for developing drugs targeting IL-15. The
CC genotyping and haplotyping methods are also useful in designing clinical
CC trials. IL-15 DNA is useful for therapeutic purposes for treating
CC disorders affected by expression of function of novel IL-15 isogene and
CC also in gene therapy. Expression of an IL-15 isogene may be turned off by
CC transforming a targetted organ, tissue or cell population of an
CC expression vector that expresses high levels of untranslatable mRNA for
CC the isogene
XX
SQ Sequence 15 BP; 10 A; 0 C; 3 G; 2 T; 0 U; 0 Other;

Query Match 8.5%; Score 11; DB 1; Length 15;
Best Local Similarity 100.0%; Pred. No. 3.2e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1351 GAAGAAAAATA 1361
Db 5 GAAGAAAAATA 15
|||||

RESULT 379
AAF52311/c
ID AAF52311 standard; DNA; 15 BP.
XX
AC AAF52311;
XX
DT 30-MAR-2001 (first entry)
XX
DE IGF-I oligonucleotide #3271.
XX
KW Antisense therapy; antiproliferative; antiinflammatory; antipsoriatic;
KW cytostatic; dermatological; cardiant; virucide; ophthalmological; keloid;
KW skin disorder; Insulin-like Growth Factor 1 receptor; IGF-1; pityriasis;
KW IGF binding protein; IGFBP-2; IGFBP3; inflammation; psoriasis; pilaris;

KW growth factor mediated cell proliferation; ichthyosis; serborrhea; ruba;
KW keratosis; neoplasia; scleroderma; wart; skin cancer; sclerotic disease;
KW hyperneovascular condition; hyperplasia; kidney disease;
KW neovascular condition of the retina; ss.
XX
OS Homo sapiens.
XX
PN WO200078341-A1.
XX
PD 28-DEC-2000.
XX
PF 21-JUN-2000; 2000WO-AU000693.
XX
PR 21-JUN-1999; 99US-0140345P.
XX
PA (MURD-) MURDOCH CHILDRENS RES INST.
XX
PI Wright CJ, Werther GA, Edmondson SR;
XX
DR WPI; 2001-041421/05.
XX
PT Ameliorating the effects of a disorder, e.g. psoriasis, by administering
PT UV (ultra-violet) treatment (optional) and an antisense nucleic acid that
PT inhibits or reduces growth factor mediated cell proliferation and/or
PT inflammation.
XX
PS Example 8; Page 82; 201pp; English.
XX
CC The present invention relates to a method for ameliorating the effects of
CC skin disorders. The method comprises contacting the skin with an
CC antisense oligonucleotide, (for Insulin-like Growth Factor [IGF]-1
CC receptor, IGF binding protein [IGFBP]-2 or IGFBP3), which is capable of
CC inhibiting or reducing growth factor mediated cell proliferation,
CC inflammation and/or other disorders. The present sequence is an
CC oligonucleotide which can be used to design the antisense
CC oligonucleotides of the present invention (see AAF45151 and AAF45153-
CC F45161). The method is useful for ameliorating the effects of psoriasis,
CC ichthyosis, pityriasis, ruba, pilaris, serborrhea, keloids, keratosis,
CC neoplasias, scleroderma, warts, benign growths, cancers of the skin, a
CC hyperneovascular condition such as a neovascular condition of the retina,
CC brain or skin, growth factor-mediated malignancies, other sclerotic
CC disease, kidney disease, hyperproliferation of the inside of blood
CC vessels or any other hyperplasia
XX
SQ Sequence 15 BP; 4 A; 3 C; 4 G; 4 T; 0 U; 0 Other;

Query Match 8.5%; Score 11; DB 1; Length 15;
Best Local Similarity 100.0%; Pred. No. 3.2e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1413 ATGATGACCAG 1423
Db 11 ATGATGACCAG 1

RESULT 380
AAF52306/c
ID AAF52306 standard; DNA; 15 BP.
XX
AC AAF52306;
XX
DT 30-MAR-2001 (first entry)
XX
DE IGF-I oligonucleotide #3266.
XX
KW Antisense therapy; antiproliferative; antiinflammatory; antipsoriatic;
KW cytostatic; dermatological; cardiant; virucide; ophthalmological; keloid;
KW skin disorder; Insulin-like Growth Factor 1 receptor; IGF-1; pityriasis;
KW IGF binding protein; IGFBP-2; IGFBP3; inflammation; psoriasis; pilaris;
KW growth factor mediated cell proliferation; ichthyosis; serborrhea; ruba;
KW keratosis; neoplasia; scleroderma; wart; skin cancer; sclerotic disease;
KW hyperneovascular condition; hyperplasia; kidney disease;
KW neovascular condition of the retina; ss.

XX Homo sapiens.
OS
XX WO200078341-A1.
PN
XX 28-DEC-2000.
PD
XX 21-JUN-2000; 2000WO-AU000693.
PF
XX 21-JUN-1999; 99US-0140345P.
PR
XX (MURD-) MURDOCH CHILDRENS RES INST.
PA
XX Wright CJ, Werther GA, Edmondson SR;
PI
XX WPI; 2001-041421/05.
DR
XX
PT Ameliorating the effects of a disorder, e.g. psoriasis, by administering
PT UV (ultra-violet) treatment (optional) and an antisense nucleic acid that
PT inhibits or reduces growth factor mediated cell proliferation and/or
PT inflammation.
XX
PS Example 8; Page 82; 201pp; English.
XX
CC The present invention relates to a method for ameliorating the effects of
CC skin disorders. The method comprises contacting the skin with an
CC antisense oligonucleotide, (for Insulin-like Growth Factor [IGF]-1
CC receptor, IGF binding protein [IGFBP]-2 or IGFBP3), which is capable of
CC inhibiting or reducing growth factor mediated cell proliferation,
CC inflammation and/or other disorders. The present sequence is an
CC oligonucleotide which can be used to design the antisense
CC oligonucleotides of the present invention (see AAF45151 and AAF45153-
CC F45161). The method is useful for ameliorating the effects of psoriasis,
CC ichthyosis, pityriasis, ruba, pilaris, serborrhea, keloids, keratosis,
CC neoplasias, scleroderma, warts, benign growths, cancers of the skin, a
CC hyperneovascular condition such as a neovascular condition of the retina,
CC brain or skin, growth factor-mediated malignancies, other sclerotic
CC disease, kidney disease, hyperproliferation of the inside of blood
CC vessels or any other hyperplasia
XX
SQ Sequence 15 BP; 5 A; 5 C; 2 G; 3 T; 0 U; 0 Other;

Query Match 8.5%; Score 11; DB 1; Length 15;
Best Local Similarity 100.0%; Pred. No. 3.2e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1414 TGATGACCAGT 1424
Db 15 TGATGACCAGT 5

RESULT 381
ABK23841
ID ABK23841 standard; DNA; 15 BP.
XX
AC ABK23841;
XX
DT 09-APR-2002 (first entry)
XX
DE E. coli OmpA strong ribosome binding site.
XX
KW Vaccine; molecular scaffold; pilus; pilin; HBcAg; antigen;
KW hepatitis B virus capsid protein; JUN; FOS; HIV gp140;
KW measles virus N protein; bee venom phospholipase; Th type 2 T-helper;
KW Th2; Sinbis virus E2 protein; amyloid beta; influenza M2 antigen;
KW human immunodeficiency virus infection; viral hepatitis; measles;
KW chicken pox; pneumonia; tuberculosis; syphilis; malaria; allergy; cancer;
KW chronic disease; arthritis; colitis; diabetes; multiple sclerosis; ss;
KW OmpA ribosome binding site.
XX
OS Escherichia coli.
XX
PN WO200185208-A2.

XX 15-NOV-2001.
PD 02-MAY-2001; 2001WO-IB000741.
XX 05-MAY-2000; 2000US-0202341P.
XX (CYTO-) CYTOS BIOTECHNOLOGY AG.
PA (SEBB/) SEBBEL P.
PA (DUNA/) DUNANT N.
PA (BACH/) BACHMANN M.
PA (TISS/) TISSOT A.
PA (LECH/) LECHENER F.
XX Sebbel P, Dunant N, Bachmann M, Tissot A, Lechener F;
PI WPI; 2002-055561/07.
XX New composition, useful for vaccine production, comprises antigen or
PT antigenic determinant and non-natural molecular scaffold comprising
PT organizer and core particle such as bacterial pilus or pilin protein.
XX Example 6; Page 77; 287pp; English.
XX The invention relates to a composition comprising: (a) a non-natural
CC molecular scaffold (molecular scaffold) which comprises a core particle
CC such as a bacterial pilus or pilin protein, a recombinant form of the
CC protein, a virus-like particle or a hepatitis B virus capsid protein
CC (HBCAg), and an organizer; and (b) an antigen or antigenic determinant,
CC where the molecular scaffold and antigenic determinant interact to form
CC an ordered and repetitive antigen array. Suitable antigenic determinants
CC include JUN, FOS, HIV gp140, measles virus N protein, bee venom
CC phospholipase, Sinbis virus E2 protein, amyloid beta derived peptides and
CC influenza M2 antigen. The composition (or vaccine) is useful for
CC immunisation, by administration to a subject, where the administration
CC produces an immune response, such as humoral, cellular or protective
CC immune response, preferably a Th type 2 T-helper (Th2) response that is
CC specific for the antigenic determinant. The administration induces
CC antibodies specific for the antigenic determinant of a subtype
CC corresponding to the Th2 subtype in the subject. The subject does not
CC generate a Th2 subtype that is specific for pilus or pilin polypeptide or
CC antigenic determinant. The composition is useful for the production of
CC vaccines for prevention of infectious diseases such as human
CC immunodeficiency virus, viral hepatitis, measles, chicken pox, pneumonia,
CC tuberculosis, syphilis, malaria, and for treating allergy, cancer, and
CC chronic diseases induced or accelerated by a Th1 type immune response,
CC such as arthritis, colitis, diabetes and multiple sclerosis. The
CC composition is useful to generate defined self-specific antibodies and
CC specific immune responses of the Th2 type and allows the creation of
CC highly efficient vaccines against infectious diseases, and for treating
CC allergy, cancer, and chronic diseases induced or accelerated by a Th1
CC type immune response. The present segment is an OmpA ribosome binding
CC site incorporated into vectors expressing compositions of the invention
XX
SQ Sequence 15 BP; 8 A; 1 C; 5 G; 1 T; 0 U; 0 Other;
Query Match 8.5%; Score 11; DB 1; Length 15;
Best Local Similarity 100.0%; Pred. No. 3.2e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1396 AGGAGGTAAAA 1406
Db 1 AGGAGGTAAAA 11
RESULT 382
ABS70925
ID ABS70925 standard; DNA; 15 BP.
XX ABS70925;
AC ABS70925;
XX 10-DEC-2002 (first entry)
DT
XX

DE Molecular antigen array associated DNA sequence #13.
XX Human; mouse; rat; antimicrobial; antiallergic; immunomodulatory;
KW cytostatic; antiviral; antidiabetic; hypoglycaemic; antigen array;
KW vaccine; infectious disease; ds.
XX Unidentified.
OS WO200256905-A2.
XX 25-JUL-2002.
PN 21-JAN-2002; 2002WO-IB000166.
XX 19-JAN-2001; 2001US-0262379P.
PR 04-MAY-2001; 2001US-0288549P.
PR 05-OCT-2001; 2001US-0326998P.
PR 07-NOV-2001; 2001US-0331045P.
XX (CYTO-) CYTOS BIOTECHNOLOGY AG.
PA Renner WA, Bachmann M, Tissot A, Maurer P, Lechner F, Sebbel P;
XX Piossek C;
PI WPI; 2002-627351/67.
XX Molecular antigen array used in the production of vaccines for infectious
DR diseases.
XX Disclosure; Page 311; 441pp; English.
CC This invention relates to a novel ordered and repetitive antigen array
CC used in the production of vaccines for infectious diseases. The invention
CC also discloses a composition comprising a non-natural molecular scaffold
CC comprising a core particle selected from a core particle of a non-natural
CC origin and a core particle of natural origin and an organizer comprising
CC at least one first attachment site, where the organizer is connected to
CC the core particle by at least one covalent bond. Also disclosed is an
CC antigen or antigenic determinant with at least one second attachment
CC site, where the antigen or antigenic determinant is amyloid beta peptide
CC (Abetal-42) or its fragment and where the second attachment site is
CC selected from an attachment site not naturally occurring with the antigen
CC or antigenic determinant and an attachment site naturally occurring with
CC the antigen or antigenic determinant, where the second attachment site is
CC capable of association through at least one non-peptide bond to the first
CC attachment site and where the antigen or antigenic determinant and the
CC scaffold interact through the association to form an ordered and
CC repetitive antigen array. The invention also comprises a coat protein
CC capable of forming a capsid which comprises mutant Qbeta coat proteins
CC having an amino acid sequence selected from five amino acid sequences
CC fully defined in the specification. The compounds of the invention may
CC have antimicrobial, antiallergic, immunomodulatory, cytostatic,
CC antiviral, antidiabetic, or hypoglycaemic activities and may be used in
CC immunisation and as a vaccine. The present sequence represents a DNA
CC sequence used to create the compositions of the invention
XX
SQ Sequence 15 BP; 8 A; 1 C; 5 G; 1 T; 0 U; 0 Other;
Query Match 8.5%; Score 11; DB 1; Length 15;
Best Local Similarity 100.0%; Pred. No. 3.2e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1396 AGGAGGTAAAA 1406
Db 1 AGGAGGTAAAA 11
RESULT 383
ABS51906
ID ABS51906 standard; DNA; 15 BP.
XX ABS51906;
AC ABS51906;
XX

DT 05-NOV-2002 (first entry)
XX Human FMO2 gene polymorphism detection ASO primer #27.
DE
XX Human; flavin containing monooxygenase-2; FMO2; isogene; drugs targeting;
KW drug toxicity; bone disorder; gene therapy; polymorphism; chromosome 1q;
KW allele-specific oligonucleotide; ASO; primer; ss.
XX
OS Homo sapiens.
XX WO200253579-A2.
PN
XX 11-JUL-2002.
PD
XX 18-DEC-2001; 2001WO-US049059.
PF
XX 29-DEC-2000; 2000US-0259062P.
PR
XX (GENA-) GENAISSANCE PHARM INC.
PA
XX Bentivegna SC, Duda A, Kazemi A, Lee HH, Messer C, Parks KE;
PI WPI; 2002-590627/63.
XX
XX Novel genetic variants of Flavin Containing Monooxygenase 2 isogenes,
PT useful for improving efficiency and reliability in drug development for
PT treating developmental bone disorders.
XX
PS Claim 15; Page 16; 140pp; English.
XX
CC The present invention relates to a new polynucleotide which comprises
CC flavin containing monooxygenase-2 (FMO2) isogenes. The invention is
CC useful in screening for drugs that are useful for treating drug toxicity.
CC The methods of the invention are useful for improving the efficiency and
CC reliability of several steps in the discovery and development of drugs
CC for treating diseases associated with FMO2 activity. The methods are also
CC used by the pharmaceutical research scientist to validate FMO2 as a
CC candidate target for treating a specific condition or disease predicted
CC to be associated with FMO2 activity, e.g. drug toxicity, and in the
CC design of clinical trials for treating a specific condition of disease
CC associated with FMO2 activity. The methods are also useful for screening
CC compounds targeting FMO2. The nucleic acid of the invention is useful in
CC studying the expression and function of FMO2, and in expressing FMO2
CC protein for use in screening for candidate drugs to treat diseases
CC related to FMO2 activity. It is also useful in studying the effect of the
CC variation on the biological activity of FMO2 as well as on the binding
CC affinity of candidate drugs targeting FMO2 for the treatment of drug
CC toxicity. The invention is useful for studying the expression of FMO2
CC isogenes in vivo, for in vivo screening and testing of drugs targeted
CC against FMO2 protein, and for testing the efficacy of therapeutic agents
CC and compounds for treating drug toxicity in a biological system. The
CC present nucleic acid sequence represents an allele-specific
CC oligonucleotide (ASO) primer that was used in the methods of the
CC invention to detect polymorphisms in the human FMO2 gene located on
CC chromosome 1q
XX
SQ Sequence 15 BP; 1 A; 4 C; 3 G; 6 T; 0 U; 1 Other;

Query Match 8.5%; Score 11; DB 1; Length 15;
Best Local Similarity 100.0%; Pred. No. 3.2e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1424 TCGTTCATGC 1434
Db 1 TCGTTCATGC 11

RESULT 384
ABA93304/C
ID ABA93304 standard; DNA; 15 BP.
XX
AC ABA93304;
XX

DT 22-APR-2002 (first entry)
XX Human ACAA1 gene polymorphism detection ASO probe SEQ ID NO:19.
DE
XX Human; acetyl-Coenzyme A acyltransferase; ACAA1; chromosome 3p23-p22;
KW peroxisomal 3-oxoacyl-Coenzyme A thiolase; SNP; genotype; haplotype;
KW single nucleotide polymorphism; polymorphic variant; enzyme; probe;
KW primer; allele specific oligonucleotide; ss.
XX
OS Homo sapiens.
XX WO200187903-A2.
PN
XX 22-NOV-2001.
PD
XX 03-MAY-2001; 2001WO-US014330.
PF
XX 18-MAY-2000; 2000US-0205022P.
PR
XX (GENA-) GENAISSANCE PHARM INC.
PA (DUDA/) DUDA A E.
XX
XX Chew A, Koshy B;
PI WPI; 2002-164134/21.
XX
CC Isolated polynucleotide, comprising a polymorphic variant of the acetyl-
CC Coenzyme A acyltransferase 1 (peroxisomal 3-oxoacyl-Coenzyme A thiolase)
CC gene useful for providing haplotype information and in therapy for
CC treating related disorders.
XX
CC Claim 15; Page 13; 93pp; English.
XX
CC The present invention describes a polypeptide (I) which is a polymorphic
CC variant (PV) of the acetyl-Coenzyme A acyltransferase (peroxisomal 3-
CC oxoacyl-Coenzyme A thiolase) ACAA1 protein (ABB05516). ACAA1 is located
CC on chromosome 3p23-p22. (I) can be encoded by ABA93286 (or ABA93288)
CC where the sequence comprises one of the haplotypes shown in Table 4 or
CC one of the haplotype pairs shown in Table 3, where Tables 3 and 4 are
CC given in the specification. The polynucleotide encoding ACAA1 can be used
CC for providing haplotype and genotype information of an individual.
CC Furthermore, the polynucleotide is useful for the treatment of disorders
CC related to its abnormal expression or function. ABA93289 to ABA93383
CC represent allele specific oligonucleotides (ASOs) which are used in the
CC detection of polymorphisms in the human ACAA1 gene
XX
SQ Sequence 15 BP; 4 A; 5 C; 4 G; 1 T; 0 U; 1 Other;

Query Match 8.5%; Score 11; DB 1; Length 15;
Best Local Similarity 84.6%; Pred. No. 3.2e+02;
Matches 11; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1414 TGATGACCAGTCG 1426
Db 13 TGATGRCCTGTCG 1

RESULT 385
ABQ72858/c
ID ABQ72858 standard; DNA; 15 BP.
XX
AC ABQ72858;
XX
DT 06-SEP-2002 (first entry)
XX
DE Human GRM8 allele-specific oligonucleotide (ASO) primer, SEQ ID NO:62.
XX
KW Human; glutamate receptor metabotropic 8; GRM8; receptor;
KW chromosome 7q31.3-32.1; neurotransmission; glutamate-mediated;
KW Smith-Lemli-Opitz syndrome; retinitis pigmentosa;
KW neuropathological disorder; neuroprotective; ophthalmological;
KW gene therapy; haplotyping; genotyping; haplotype; genetic variant;
KW single nucleotide polymorphism; SNP; drug screening; drug discovery;

KW allele-specific oligonucleotide; ASO; primer; ss.
XX Homo sapiens.
OS
XX
PN WO200238587-A2.
XX
XX
PD 16-MAY-2002.
XX
XX
PF 09-NOV-2001; 2001WO-US047325.
XX
XX
PR 09-NOV-2000; 2000US-0247576P.
XX
XX
PA (GENA-) GENAISSANCE PHARM INC.
XX
PI Bieglecki KM, Chew A, Choi JY, Koshy B, Parks KE;
XX
XX WPI; 2002-519291/55.
XX
XX Genetic variants of Glutamate Receptor, Metabotropic 8 isogenes, useful
PT for improving efficiency and reliability in drug development for treating
PT neuropathological conditions and retinitis pigmentosa.
XX
XX Claim 15; Page 15; 110pp; English.
XX
XX The invention relates to a method for haplotyping the glutamate receptor,
CC metabotropic 8 (GRM8) gene (ABQ72798, ABQ72905) of an individual, and
CC also describes 21 novel polymorphic sites within the human GRM8 gene. The
CC GRM8 gene is located on chromosome 7q31.3-32.1 and contains 10 exons
CC which encode a 908 amino acid protein (ABB09564). GRM8 is involved in
CC glutamate-mediated neurotransmission, being a member of a subfamily of
CC metabotropic glutamate receptors that inhibit the activity of adenylate
CC cyclase in response to glutamate stimulation. The chromosomal location of
CC the GRM8 gene encompasses regions linked to Smith-Lemli-Opitz syndrome
CC and a form of retinitis pigmentosa. GRM8 nucleic acid sequences are
CC useful in studying the expression and function of GRM8, and in expressing
CC GRM8 protein for use in screening drugs for the treatment of GRM8-
CC associated diseases (e.g., neuropathological disorders, Smith-Lemli-Opitz
CC syndrome and retinitis pigmentosa). GRM8 nucleic acids and proteins are
CC also useful in studying the effect of polymorphisms on the biological
CC activity of GRM8. Polymorphisms in the target region may be determined by
CC the use of allele-specific oligonucleotides (ASOs; ABQ72800-ABQ72862) as
CC probes and primers, and by primer extension using oligonucleotide primers
CC comprising sequences ABQ72863-ABQ72904. The method of the invention is
CC useful for haplotyping the GRM8 gene in populations and in individuals,
CC enabling decisions to be made as to whether GRM8 is a likely therapeutic
CC target for a disease of interest, and in the design of clinical trials of
CC candidate drugs for treating GRM8-associated disorders. In addition,
CC transgenic animals comprising a human GRM8 gene are useful for studying
CC the expression of GRM8 isogenes in vivo, for in vivo screening and
CC testing of drugs targeted to GRM8, and for testing the efficacy of
CC therapeutic agents and compounds for treating GRM8-associated conditions
CC in a biological system. Sequences ABQ72821-ABQ72862 represent
CC specifically claimed allele-specific oligonucleotide (ASO) primers used
CC for detecting polymorphisms in the GRM8 gene
XX
SQ Sequence 15 BP; 3 A; 1 C; 5 G; 5 T; 0 U; 1 Other;

Query Match 8.5%; Score 11; DB 1; Length 15;
Best Local Similarity 84.6%; Pred. No. 3.2e+02;
Matches 11; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1384 TCTTCTGATCAAA 1396
:|||||
Db 14 YCTTCTGACCAAA 2

RESULT 386
ABS66351
ID ABS66351 standard; DNA; 15 BP.
XX
AC ABS66351;
XX
DT 29-NOV-2002 (first entry)

XX
DE
XX
XX Molecular antigen array related modified ribosome binding site.
KW Molecular antigen array; vaccine; ss; primer; antimicrobial;
KW molecular scaffold; amyloid beta; Abeta 1-42; influenza;
KW graft versus host disease; IGE-mediated allergic reaction; anaphylaxis;
KW adult respiratory distress syndrome; ARDS; Crohn's disease;
KW allergic asthma; acute lymphoblastic leukaemia; non-Hodgkin's lymphoma;
KW Grave's disease; systemic lupus erythematosus; osteoporosis;
KW inflammatory immune disease; myasthenia gravis; multiple sclerosis;
KW immunoproliferative disease lymphadenopathy; Alzheimer's disease;
KW angioimmunoproliferative lymphadenopathy; immunoblastic lymphadenopathy;
KW rheumatoid arthritis; diabetes; infectious disease.
XX
OS Unidentified.
XX
XX WO200256907-A2.
PN
XX
XX 25-JUL-2002.
XX
XX 21-JAN-2002; 2002WO-IB000168.
PF
XX
XX 19-JAN-2001; 2001US-0262379P.
PR
XX 04-MAY-2001; 2001US-0288549P.
PR
XX 05-OCT-2001; 2001US-0326998P.
PR
XX 07-NOV-2001; 2001US-0331045P.
XX
XX (CYTO-) CYTOS BIOTECHNOLOGY AG.
PA (NOVS) NOVARTIS PHARMA AG.
PA (MAUR/) MAURER P.
PA (LECH/) LECHNER F.
PA (ORTM/) ORTMANN R.
PA (LUEO/) LUEOEND R.
PA (STAU/) STAUFENBIEL M.
PA (FREY/) FREY P.
XX
XX Maurer P, Lechner F, Ortmann R, Lueoend R, Staufenbiel M, Frey P;
PI Renner WA, Bachmann M, Tissot A, Sebbel P, Piossek C;
PI
XX WPI; 2002-636514/68.
XX
XX Molecular antigen array used in the production of vaccines for infectious
PT diseases.
XX
XX Disclosure; Page 289; 418pp; English.
XX
XX The invention relates to a composition comprising: (a) a non-natural
CC molecular scaffold comprising: (i) a core particle selected from: (1) a
CC core particle of a non-natural origin; and (2) a core particle of natural
CC origin; and (ii) an organiser comprising at least one first attachment
CC site, where the organiser is connected to the core particle by at least
CC one covalent bond; (b) an antigen or antigenic determinant with at least
CC one second attachment site, where the antigen or antigenic determinant is
CC amyloid beta peptide (Abeta 1-42) or its fragment, and where the second
CC attachment site is selected from: (i) an attachment site not naturally
CC occurring with the antigen or antigenic determinant; and (ii) an
CC attachment site naturally occurring with the antigen or antigenic
CC determinant, where the second attachment site is capable of association
CC through at least one non-peptide bond to the first attachment site; and
CC where the antigen or antigenic determinant and the scaffold interact
CC through the association to form an ordered and repetitive antigen array.
CC Also included is a process for producing a non-naturally occurring
CC ordered and repetitive antigen array. The composition is used in
CC immunisation and as a vaccine for diseases such as influenza, graft
CC versus host disease, IGE-mediated allergic reactions, anaphylaxis, adult
CC respiratory distress syndrome (ARDS), Crohn's disease, allergic asthma,
CC acute lymphoblastic leukaemia, non-Hodgkin's lymphoma, Grave's disease,
CC systemic lupus erythematosus, inflammatory immune diseases, myasthenia
CC gravis, immunoproliferative disease lymphadenopathy,
CC angioimmunoproliferative lymphadenopathy, immunoblastic lymphadenopathy,
CC rheumatoid arthritis, diabetes, multiple sclerosis, Alzheimer's disease,
CC osteoporosis and infectious diseases. The present sequence is a Molecular
CC antigen array related DNA sequence which is included in the sequence

CC listing but is not mentioned anywhere else in the specification
XX
SQ Sequence 15 BP; 8 A; 1 C; 5 G; 1 T; 0 U; 0 Other; 0; Gaps 0;

Query Match 8.5%; Score 11; DB 1; Length 15;
Best Local Similarity 100.0%; Pred. No. 3.2e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1396 AGGAGGTAAAA 1406
Db 1 AGGAGGTAAAA 11

RESULT 387
ABK32803/c
ID ABK32803 standard; DNA; 15 BP.
XX
AC ABK32803;
XX
DT 23-APR-2002 (first entry)
XX
DE Human APPBP1 gene, allele-specific oligonucleotide #33.
XX
KW Human; amyloid beta precursor protein binding protein 1; APPBP1; probe;
KW Alzheimer's disease; transgenic animal; platelet aggregation;
KW single nucleotide polymorphism; SNP; allele-specific oligonucleotide; ss.
XX
OS Homo sapiens.
XX
PN WO200202820-A1.
XX
PD 10-JAN-2002.
XX
PF 02-JUL-2001; 2001WO-US020951.
XX
PR 30-JUN-2000; 2000US-0215511P.
XX
PA (GENA-) GENAISSANCE PHARM INC.
XX
PI Anastasio AE, Chew A, Choi JY, Kazemi A, Koshy B, Sausker EA;
PI Stephens CJ;
XX
DR WPI; 2002-164539/21.
XX
PT Amyloid beta precursor protein binding protein 159 kD (APPBP1) gene
PT polymorphic variants, useful e.g. in studying the expression and function
PT of APPBP1 and screening candidate drugs for treating Alzheimer's disease.
XX
PS Claim 17; Page 13; 104pp; English.
XX
CC The invention relates to an isolated polypeptide comprising a sequence
CC which is a polymorphic variant of a reference sequence for the amyloid
CC beta precursor protein binding protein 1, 59kD (APPBP1) protein or its
CC fragment. The polymorphic variants are useful in studying the expression
CC and function of APPBP1, in expressing APPBP1 protein for use in screening
CC for candidate drugs to treat diseases related to APPBP1 activity, in
CC studying the effect of the variation on the biological activity of
CC APPBP1, and the binding affinity of candidate drugs targeting APPBP1 for
CC the treatment of disorders such as Alzheimer's disease. The haplotyping
CC methods are useful in validating APPBP1 as a candidate target for
CC treating a specific condition or disease predicted to be associated with
CC APPBP1 activity, or in the design of clinical trials of candidate drugs
CC for treating a specific condition or disease associated with APPBP1
CC activity. The transgenic animals are useful for studying expression of
CC the APPBP1 isogenes in vivo, for in vivo screening and testing of drugs
CC targeted against APPBP1 protein, and for testing the efficacy of
CC therapeutic agents and compounds for disorders related to platelet
CC aggregation in a biological system. ABK32771-ABK32327 represent human
CC APPBP1 gene allele-specific oligonucleotides used in the method of the
XX invention
SQ Sequence 15 BP; 3 A; 2 C; 1 G; 8 T; 0 U; 1 Other;

Query Match 8.5%; Score 11; DB 1; Length 15;
Best Local Similarity 84.6%; Pred. No. 3.2e+02;
Matches 11; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Qy 1396 AGGAGGTAAAAATT 1408
Db 15 ASAAGGTAAAAATT 3

RESULT 388
ABA91820
ID ABA91820 standard; DNA; 15 BP.
XX
AC ABA91820;
XX
DT 15-MAY-2002 (first entry)
XX
DE Escherichia coli ompA gene ribosome binding site.
XX
KW Ribosome binding site; RBS; ompA gene; IgE; immunoglobulin E; allergy;
KW asthma; eczema; urticaria; anaphylactic shock; allergic rhinitis;
KW conjunctivitis; antianaphylactic; immunosuppressive; antiallergic;
KW antiasthmatic; antiinflammatory; dermatological; vasotropic;
KW ophthalmological; vaccine; therapy; ds.
XX
OS Escherichia coli.
XX
PN WO200209751-A2.
XX
PD 07-FEB-2002.
XX
PF 27-JUL-2001; 2001WO-IB001353.
XX
PR 28-JUL-2000; 2000US-0221841P.
XX
PA (CYTO-) CYTOS BIOTECHNOLOGY AG.
PA (BACH/) BACHMANN M F.
PA (RENN/) RENNER W A.
XX
PI Bachmann MF, Renner WA;
XX
DR WPI; 2002-227076/28.
XX
PT Composition for treating immunoglobulin (Ig) E-mediated disorder such as
PT anaphylactic shock, allergic rhinitis and conjunctivitis, comprises a
PT polypeptide that includes CH1 and/or CH4 domains of IgE molecule coupled
PT to a carrier.
XX
PS Example; Page 38; 71pp; English.
XX
CC The present sequence is that of the strong ribosome binding site and 5'
CC untranslated region of the Escherichia coli ompA gene. The sequence was
CC used in a pAV vector series (see ABA91821-25) for expression of FOS
CC fusion proteins in E. coli. The invention is based on the discovery that
CC a polypeptide that includes the CH1 and/or CH4 domain(s) of an IgE
CC molecule (see AAM50940), coupled to a carrier (e.g. FOS), can be used to
CC induce self-specific anti-IgE antibodies in a mammal that reduce or
CC eliminate the pool of free IgE in the mammal's serum. Claimed
CC compositions comprising a carrier joined to the IgE derived polypeptide,
CC or a polynucleotide encoding the fusion protein, are used to inhibit or
CC prevent IgE-mediated disorders such as anaphylactic shock, allergic
CC rhinitis or conjunctivitis, an allergic reaction to an allergen such as
CC fur, dust or food, an asthmatic reaction, eczema or urticaria (all
CC claimed)
XX
SQ Sequence 15 BP; 8 A; 1 C; 5 G; 1 T; 0 U; 0 Other;

Query Match 8.5%; Score 11; DB 1; Length 15;
Best Local Similarity 100.0%; Pred. No. 3.2e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1396 AGGAGTAAAAA 1406
|||||


```
Db          1 AGGAGGTAAAA 11

RESULT 389
AAN94501
ID AAN94501 standard; DNA; 14 BP.
XX
AC AAN94501;
XX
DT 25-MAR-2003 (revised)
DT 03-OCT-2002 (revised)
DT 25-JUN-1990 (first entry)
XX
DE Probe for N-terminal of human adult T cell leukaemia derived factor.
XX
KW Human adult T cell leukaemia derived factor; hADF; cancer; probe; ss;
KW immunodeficiency disease.
OS Homo sapiens.
XX
PN EP299206-A.
XX
PD 18-JAN-1989.
XX
PF 10-JUN-1988; 88EP-00109311.
XX
PR 12-JUN-1987; 87JP-00146348.
PR 31-MAY-1988; 88JP-00134218.
XX
PA (AJIN ) AJINOMOTO KK.
XX
PI Yodoi J, Tagaya Y, Maeda M, Matsui H, Kondo N, Hamuro J;
XX
DR WPI; 1989-016762/03.
XX
PT Recombinant human adult T cell leukaemia derived factor polypeptide -
PT used for treating cancer, immuno-deficiency disease etc.
XX
PS Disclosure; Page 8; 24pp; English.
XX
CC The probe (N-2) was used to screen a gene bank prepd. from mRNA isolated
CC from ATL-2 cells from a patient with adult T leukaemia virus. Vectors
CC contg. the DNA can be used to transform host cells for prodn. of hADF
CC polypeptide. The polypeptide causes differentiation and induces growth of
CC lymphocytes and fibroblasts. See also AAN94500-N94509. (Updated on 03-OCT
CC -2002 to add missing OS field.) (Updated on 25-MAR-2003 to correct PR
CC field.)
XX
SQ Sequence 14 BP; 6 A; 1 C; 2 G; 2 T; 0 U; 3 Other;

Query Match      8.3%; Score 10.8; DB 1; Length 14;
Best Local Similarity 75.0%; Pred. No. 3.2e+02;
Matches 9; Conservative 3; Mismatches 0; Indels 0; Gaps 0;

QY 1461 TCAAGCAATAG 1472
Db      |::|::|::|::|
        2 TYAARCARATAG 13

RESULT 390
AAV49148
ID AAV49148 standard; DNA; 14 BP.
XX
AC AAV49148;
XX
DT 15-OCT-1998 (first entry)
XX
DE rb gene antisense oligonucleotide rb-N-96.
XX
KW rb gene; antisense oligonucleotide; modulate; gene expression; ss.
XX
OS Synthetic.
OS Homo sapiens.
```

```
XX EP856579-A1.
PN
XX
PD 05-AUG-1998.
XX
PF 31-JAN-1997; 97EP-00101531.
XX
PR 31-JAN-1997; 97EP-00101531.
XX
PA (BIOG-) BIOGNOSTIK GES BIOMOLEKULARE DIAGNOSTIK.
XX
PI Schlingensiepen K, Brysch W;
XX
DR WPI; 1998-400910/35.
XX
PT Preparation of antisense oligo:nucleotide(s) which lack long runs of
PT consecutive guanosine or inosine - and have specific ratio of residues
PT able to form two or three hydrogen bonds, have greater activity and
PT reduced toxicity, used therapeutically or to modulate growth of cells in
PT culture.
XX
PS Example 7; Fig 9b; 286pp; English.
XX
CC AAV49008-236 represent antisense oligonucleotides directed against the rb
CC gene. Of these, only oligonucleotides AAV49008-52 resulted in effective
CC downregulation of negative growth control by rb, while oligonucleotides
CC AAV49052-236 had little effect. The oligonucleotides exemplify the
CC invention. The specification describes oligonucleotides that contain 8-30
CC nucleotides, which contain at most 8 nucleotides that can each form three
CC hydrogen bonds to cytosine; do not contain four consecutive nucleotides
CC able to form three H-bonds each to four consecutive cytosines; do not
CC contain two sequences of three consecutive nucleotides each able to form
CC three H-bonds to three consecutive cytosines, and the ratio between
CC residues able to form two H-bonds each (2R) or three such bonds (3R) is
CC given by 2R/3R = 0.33-0.72. The oligonucleotides are used to modulate
CC expression of genes, particularly the genes for p53, ErbB-2, junB, junD,
CC TGF-beta 1 or beta 2 to control proliferation of primary cell cultures
CC (e.g. bone marrow stem, liver or kidney cells, osteoclasts, osteoblasts
CC and/or keratinocytes). The oligonucleotides can also be used to analyse
CC function of proteins (by altering their expression or activity) and
CC therapeutically, e.g. in cases of cancer or (targeting TGF) for
CC stimulating the immune system
XX
SQ Sequence 14 BP; 6 A; 0 C; 2 G; 6 T; 0 U; 0 Other;

Query Match      8.3%; Score 10.8; DB 1; Length 14;
Best Local Similarity 85.7%; Pred. No. 3.2e+02;
Matches 12; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1402 TAAATTTGTTAATG 1415
Db      |||||
        1 TAAATTTTGAATG 14

RESULT 391
AAZ64860
ID AAZ64860 standard; RNA; 14 BP.
XX
AC AAZ64860;
XX
DT 28-MAR-2000 (first entry)
XX
DE Substrate for hairpin ribozyme which cleaves HCV at nt. 7593.
XX
KW Enzymatic nucleic acid; hammerhead ribozyme; virus replication; cleavage;
KW cirrhosis; liver failure; hepatocellular carcinoma; interferon; cancer;
KW autoimmune disease; ss.
XX
OS Hepatitis C virus.
XX
PN WO9955847-A2.
XX
PD 04-NOV-1999.
```



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XX PF 26-APR-1999; 99WO-US009027.
XX XX
PR 27-APR-1998; 98US-0083217P.
PR 18-SEP-1998; 98US-0100842P.
PR 25-FEB-1999; 99US-00257608.
PR 23-MAR-1999; 99US-00274553.
XX XX
PA (RIBO-) RIBOZYME PHARM INC.
XX XX
PI Blatt L, Mcswiggen JA, Roberts E, Pavco PA, Macejak D;
XX XX
DR WPI; 2000-062023/05.
XX XX
PT Novel ribozymes for the treatment of diseases and conditions related to
PT hepatitis C infection.
XX XX
PS Claim 2; Page 100; 123pp; English.
XX XX
CC The present sequence represents the preferred target sequence of an
CC enzymatic nucleic acid, especially a hairpin ribozyme, which cleaves the
CC Hepatitis C virus (HCV) RNA sequence at the base position given in the
CC descriptor line. The HCV sequence was screened for optimal ribozyme
CC target sites using a computer folding algorithm and regions of the mRNA
CC which did not form secondary folding structures and contained potential
CC ribozyme cleavage sites were identified. Ribozymes were synthesised to
CC target these sites and their activities optimised by either varying the
CC length of the binding arms or by modification to prevent degradation by
CC nucleases. The ribozymes of the invention inhibit gene expression and/or
CC viral replication, and are used to treat diseases associated with
CC Hepatitis C virus (HCV) infection, e.g. cirrhosis, liver failure and
CC hepatocellular carcinoma. The ribozymes may be used in combination with
CC interferon to treat HCV infection, other infectious diseases, autoimmune
CC diseases, and cancer
XX XX
SQ Sequence 14 BP; 2 A; 5 C; 3 G; 0 T; 4 U; 0 Other;

Query Match 8.3%; Score 10.8; DB 1; Length 14;
Best Local Similarity 57.1%; Pred. No. 3.2e+02;
Matches 8; Conservative 4; Mismatches 2; Indels 0; Gaps 0;

QY 1382 CGTCTTCTGATCAA 1395
Db 1 CGUCUGCUGCUCAA 14

RESULT 392
AAF57803/C
ID AAF57803 standard; DNA; 14 BP.
XX XX
AC AAF57803;
XX XX
DT 19-APR-2001 (first entry)
XX XX
DE Human OPG PCR primer #22.
XX XX
KW Bone loss; osteoprotegerin; OPG; rheumatoid arthritis; hyperalgesia;
KW multiple sclerosis; osteoporosis; osteomyelitis; asthma; inflammation;
KW systemic lupus erythematosus; graft-versus-host disease; septic shock;
KW acute pancreatitis; Alzheimer's disease; anorexia; atherosclerosis; pain;
KW coronary condition; myocardial infarction; cancer; diabetes; psoriasis;
KW endometriosis; fever; glomerulonephritis; inflammatory bowel disease;
KW ischaemia; Parkinson's disease; PCR primer; ss.
XX XX
OS Homo sapiens.
XX XX
PN WO200103719-A2.
XX XX
PD 18-JAN-2001.
XX XX
PF 07-JUL-2000; 2000WO-US018667.
XX XX
PR 09-JUL-1999; 99US-00350670.

09-DEC-1999; 99US-00457647.
XX XX
PA (AMGE-) AMGEN INC.
XX XX
PI Boyle WJ, Lacey DL, Calzone FJ, Chang M, Senaldi G;
XX XX
DR WPI; 2001-103031/11.
XX XX
PT Treating conditions leading to bone loss such as rheumatoid arthritis,
PT multiple sclerosis and asthma, comprises administering an osteoprotegerin
PT protein in conjunction with e.g. inhibitors of interleukin and tumor
PT necrosis factor alpha.
XX XX
PS Example 8; Page 127; 316pp; English.
XX XX
CC The present invention relates to a method for treating conditions leading
CC to bone loss. The method comprises administering a purified and isolated
CC osteoprotegerin (OPG) protein (AAF57836-AAF57838 and AAB66974-AAB66976)
CC in conjunction with other substances such as tumour necrosis factor-alpha
CC (TNF-alpha) inhibitors, interleukin (IL)-6, -8 and -18 inhibitors, ICE
CC modulators, fibroblast growth factor (FGF)1-10 modulators and/or platelet
CC activating factor (PAF) antagonists. The method is useful for treating
CC conditions leading to bone loss such as rheumatoid arthritis, multiple
CC sclerosis, osteoporosis, osteomyelitis and asthma. The method is also
CC useful for treating inflammation, systemic lupus erythematosus (SLE) and
CC graft-versus-host disease (GvHD). Other diseases that can be treated
CC include acute pancreatitis, Alzheimer's disease, anorexia,
CC atherosclerosis, coronary conditions (e.g. myocardial infarction),
CC cancer, diabetes, endometriosis, fever, glomerulonephritis, hyperalgesia,
CC inflammatory bowel disease, ischaemia, pain, Parkinson's disease,
CC psoriasis and septic shock. The present sequence is a PCR primer used in
CC the present invention
XX XX
SQ Sequence 14 BP; 5 A; 4 C; 1 G; 4 T; 0 U; 0 Other;

Query Match 8.3%; Score 10.8; DB 1; Length 14;
Best Local Similarity 85.7%; Pred. No. 3.2e+02;
Matches 12; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1408 TGTTAATGATGACC 1421
Db 14 TGTTAATGAGGATC 1

RESULT 393
ABX01697
ID ABX01697 standard; RNA; 14 BP.
XX XX
AC ABX01697;
XX XX
DT 23-DEC-2002 (first entry)
XX XX
DE Hepatitis C virus substrate #182 for HCV hairpin ribozyme #182.
XX XX
KW Enzymatic nucleic acid; RNA cleavage; Hepatitis C virus infection;
KW HCV ribozyme; HCV expression; HCV replication; cirrhosis; virucide;
KW liver failure; hepatocellular carcinoma; HCV infection; drug therapy;
KW type I interferon; interferon alpha; interferon beta; cytostatic;
KW interferon gamma; consensus interferon; hepatotropic; antiinflammatory;
KW substrate; hairpin ribozyme; HP ribozyme; ss.
XX XX
OS Hepatitis C virus.
XX XX
PN US2002082225-A1.
XX XX
PD 27-JUN-2002.
XX XX
PF 23-MAR-1999; 99US-00274553.
XX XX
PR 23-MAR-1999; 99US-00274553.
XX XX
PA (BLAT/) BLATT L.
PA (MCSW/) MCSWIGGEN J A.
```

PA (ROBE/) ROBERTS B.
PA (PAVC/) PAVCO P A.
PA (MACE/) MACEJACK D.
XX
PI Blatt L, Mcswiggen JA, Roberts B, Pavco PA, Macejack D;
XX
DR WPI; 2002-617759/66.
XX
XX New ribozymes targeting RNA derived from hepatitis C virus inhibit viral
PT replication and are useful to treat hepatitis C virus infections and
PT cirrhosis, liver failure or hepatocellular carcinoma.
XX
PS Claim 2; Page 63; 80pp; English.
XX
CC The present invention relates to enzymatic nucleic acids which
CC specifically cleave RNA derived from Hepatitis C virus (HCV). The
CC enzymatic nucleic acid or ribozyme is in a hammerhead (HH) or hairpin
CC (HP) motif where the binding arms comprise sequences complementary to one
CC of the substrate sequences defined in the specification. The HCV
CC ribozymes are useful for modulating the expression and/or replication of
CC HCV. They can be used to treat cirrhosis, liver failure and/or
CC hepatocellular carcinoma. The HCV ribozymes are also useful for treating
CC a condition associated with HCV infection in conjunction with one or more
CC other drug therapies, particularly type I interferon, especially
CC interferon alpha, beta or gamma or consensus interferon. The present
CC sequence represents a substrate for a HCV hairpin (HP) ribozyme. Note:
CC Some of the sequence data for this patent did not form part of the
CC printed specification. The complete sequence data for this patent was
CC obtained in electronic format directly from the USPTO web site at
CC seqdata.uspto.gov/psipsDIDEntry.html
XX
SQ Sequence 14 BP; 2 A; 5 C; 3 G; 0 T; 4 U; 0 Other;

Query Match 8.3%; Score 10.8; DB 1; Length 14;
Best Local Similarity 57.1%; Pred. No. 3.2e+02;
Matches 8; Conservative 4; Mismatches 2; Indels 0; Gaps 0;

QY 1382 CGTCTTCTGATCAA 1395
||:|:|:|:|:
Db 1 CGUCUGCUGCUCAA 14

RESULT 394
ADE15274/c
ID ADE15274 standard; DNA; 14 BP.
XX
AC ADE15274;
XX
DT 29-JAN-2004 (first entry)
XX
DE Transcription inhibition detection related promoter element seqid 27.
XX
KW antibacterial; transcription; transcription unit;
KW gene expression inhibition; transcription unit inhibition;
KW bacterial growth inhibition; promoter element; ds.
XX
OS Unidentified.
XX
XX US6605431-B1.
XX
PD 12-AUG-2003.
XX
PF 17-AUG-1999; 99US-00375673.
XX
PR 17-AUG-1999; 99US-00375673.
XX
PA (WISC) WISCONSIN ALUMNI RES FOUND.
XX
PI Gourse RL, Estrem ST, Ross WE, Gaal T;
XX
DR WPI; 2003-851203/79.
XX
PT Detecting whether compound alters transcription of transcription unit by

PT providing reaction mixture of first polynucleotide, adding test compound
PT to reaction mixture and detecting amount of transcription product.
XX
PS Example 3; SEQ ID NO 27; 38pp; English.
XX
CC The invention describes a method of detecting whether a compound alters
CC transcription of a transcription unit comprising providing a reaction
CC mixture comprising a RNA polymerase and a first polynucleotide that
CC contains a first promoter operably linked to a transcription unit, adding
CC the compound to the reaction mixture and detecting amount of
CC transcription product. The method is useful for determining whether the
CC compound alters the transcription unit. The compound can be used to
CC inhibit expression of transcription units and inhibit growth of bacteria.
CC This sequence represents a promoter element associated with the method of
CC detecting altered transcription.
XX
SQ Sequence 14 BP; 4 A; 0 C; 2 G; 8 T; 0 U; 0 Other;

Query Match 8.3%; Score 10.8; DB 1; Length 14;
Best Local Similarity 85.7%; Pred. No. 3.2e+02;
Matches 12; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1352 AAGAAAAATATTC 1365
|||:|:|:|:|:
Db 14 AAAAAAAATTTTC 1

RESULT 395
AAQ80598
ID AAQ80598 standard; DNA; 15 BP.
XX
AC AAQ80598;
XX
DT 25-MAR-2003 (revised)
DT 21-OCT-1995 (first entry)
XX
DE High affinity IgE receptor beta-subunit variant.
XX
KW IgE receptor; mutation; polymorphism; atopy diagnosis; ds.
XX
OS Homo sapiens.
XX
FH Key Location/Qualifiers
FT misc_feature 4 /*tag= a
FT /*note= "A in wt"
FT misc_feature 6 /*tag= b
FT /*note= "T in wt"
FT misc_feature 10 /*tag= c
FT /*note= "G in wt"
XX
PN WO9505481-A1.
XX
PD 23-FEB-1995.
XX
PF 17-AUG-1994; 94WO-GB001801.
XX
PR 18-AUG-1993; 93GB-00017185.
PR 27-MAY-1994; 94GB-00010669.
XX
PA (ISIS-) ISIS INNOVATION LTD.
XX
PI Cookson WOCM, Hopkin JM, Shirakawa T;
XX
DR WPI; 1995-098778/13.
DR P-PSDB; AAR69998.
XX
PT Diagnostic method for atopy - comprises detecting presence of mutation or
PT polymorphism in gene encoding beta-sub:unit of high affinity IgE
PT receptor.
XX

PS Claim 4; Page 32; 48pp; English.

XX The sequence corresponds to exon 6 of a variant gene encoding the high

CC affinity IGE receptor on chromosome-11q, starting at position 5640. The

CC specified mutations in this region result in a substitution of Leu for

CC Ile-181 and Leu for Val-183. The mutations can be detected in a method

CC for the diagnosis of atopy or predisposition to atopy. (Updated on 25-MAR

CC -2003 to correct PN field.)

XX

SQ Sequence 15 BP; 4 A; 0 C; 5 G; 6 T; 0 U; 0 Other;

Query Match 8.3%; Score 10.8; DB 1; Length 15;

Best Local Similarity 85.7%; Pred. No. 3.5e+02;

Matches 12; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1405 AATTGTTAATGATG 1418

Db ||||| |||||

2 AATTGGTATTGATG 15

RESULT 396

AAQ80599

ID AAQ80599 standard; DNA; 15 BP.

XX

AC AAQ80599;

XX

DT 25-MAR-2003 (revised)

DT 21-OCT-1995 (first entry)

XX

DE High affinity IGE receptor beta-subunit variant.

DE

XX IGE receptor; mutation; polymorphism; atopy diagnosis; ds.

XX

OS Homo sapiens.

XX

FH Key Location/Qualifiers

FT misc_feature 4

FT /*tag= a

FT /note= "A in wt"

FT 6

FT /*tag= b

FT /note= "T in wt"

FT

XX WO9505481-A1.

PN

XX

PD 23-FEB-1995.

XX

PF 17-AUG-1994; 94WO-GB001801.

XX

XX 18-AUG-1993; 93GB-00017185.

PR

PR 27-MAY-1994; 94GB-00010669.

XX

PA (ISIS-) ISIS INNOVATION LTD.

XX

XX Cookson WOCM, Hopkin JM, Shirakawa T;

PI

XX WPI; 1995-098778/13.

DR

DR P-PSDB; AAR69999.

XX

PT Diagnostic method for atopy - comprises detecting presence of mutation or

PT polymorphism in gene encoding beta-sub:unit of high affinity IGE

PT receptor.

XX

PS Claim 4; Page 33; 48pp; English.

XX

CC The sequence corresponds to exon 6 of a variant gene encoding the high

CC affinity IGE receptor on chromosome-11q, starting at position 5640. The

CC specified mutations in this region result in a substitution of Leu for

CC Ile-181. The mutations can be detected in a method for the diagnosis of

CC atopy or predisposition to atopy. (Updated on 25-MAR-2003 to correct PN

CC field.)

XX

SQ Sequence 15 BP; 4 A; 0 C; 6 G; 5 T; 0 U; 0 Other;

Query Match 8.3%; Score 10.8; DB 1; Length 15;

Best Local Similarity 85.7%; Pred. No. 3.5e+02;

Matches 12; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1405 AATTGTTAATGATG 1418

Db ||||| |||||

2 AATTGGTAGTGATG 15

RESULT 397

AAT54299

ID AAT54299 standard; RNA; 15 BP.

XX

AC AAT54299;

XX

DT 25-MAR-2003 (revised)

DT 24-MAR-1997 (first entry)

XX

DE Human IL-5 hammerhead ribozyme target sequence (nt. position 579).

XX

KW Enzymatic nucleic acid; ribozyme; trans cleavage; inhibition;

KW gene expression; downregulation; interleukin-5; IL-5; ICAM-1;

KW intercellular adhesion molecule; rel A; tumour necrosis factor;

KW TNF-alpha; respiratory syncytial virus; RSV; bcr-abl; oncogene;

KW translocation; chronic myelogenous leukaemia; CML; cancer;

KW Philadelphia chromosome; inflammation; autoimmune disease;

KW atherosclerosis; myocardial infarction; stroke; restenosis;

KW transplant rejection; rheumatoid arthritis; psoriasis;

KW myocardial ischaemia; Kawasaki disease; septic shock; HIV;

KW human immunodeficiency virus; acquired immune deficiency syndrome; AIDS;

ss.

XX

OS Homo sapiens.

XX

PN WO9523225-A2.

XX

PD 31-AUG-1995.

XX

PF 23-FEB-1995; 95WO-IB000156.

XX

PR 23-FEB-1994; 94US-00201109.

PR 29-MAR-1994; 94US-00218934.

PR 04-APR-1994; 94US-00222795.

PR 07-APR-1994; 94US-00224483.

PR 15-APR-1994; 94US-00227958.

PR 15-APR-1994; 94US-00228041.

PR 18-MAY-1994; 94US-00245736.

PR 06-JUL-1994; 94US-00271280.

PR 15-AUG-1994; 94US-00291932.

PR 16-AUG-1994; 94US-00291433.

PR 17-AUG-1994; 94US-00292620.

PR 19-AUG-1994; 94US-00293520.

PR 02-SEP-1994; 94US-00300000.

PR 08-SEP-1994; 94US-00303039.

PR 23-SEP-1994; 94US-00311486.

PR 23-SEP-1994; 94US-00311749.

PR 28-SEP-1994; 94US-00314397.

PR 03-OCT-1994; 94US-00316771.

PR 07-OCT-1994; 94US-00319492.

PR 11-OCT-1994; 94US-00321993.

PR 04-NOV-1994; 94US-00334847.

PR 10-NOV-1994; 94US-00337608.

PR 28-NOV-1994; 94US-00345516.

PR 16-DEC-1994; 94US-00357577.

PR 23-DEC-1994; 94US-00363233.

PR 30-JAN-1995; 95US-00380734.

XX

PA (RIBO-) RIBOZYME PHARM INC.

XX

PI Stinchcomb DT, Chowrira B, Direnzo A, Draper KG, Dudycz LW;

PI Grimm S, Karpeisky A, Kisich K, Matulic-Adamic J, Mcswiggen JA;

PI Modak A, Pavco P, Beigleman L, Sullivan SM, Sweedler D, Thompson JD;

PI Tracz D, Usman N, Wincott FE, Woolf T;
XX WPI; 1995-351090/45.
DR Ribozymes having modified bases and methods for producing them - for use
XX in inhibiting disease related genes.
PT Claim 2; Page 215; 407pp; English.
PS The present sequence represents a preferred target sequence for an
XX enzymatic nucleic acid (i.e. a ribozyme) which cleaves interleukin-5 (IL-
CC 5) mRNA at the nucleotide base position indicated in the DE line. Regions
CC of the mRNA that do not form secondary folding structures and that
CC contain potential hammerhead and hairpin ribozyme cleavage sites were
CC identified by computer analysis. Ribozymes directed against these mRNA
CC sequences were designed and synthesised with modifications that improve
CC their nuclease resistance. The ribozymes cleave the IL-5 target sequences
CC and thereby inhibit IL-5 expression, making them useful for treating
CC chronic asthma, e.g. by inhibiting the synthesis of IL-5 in lymphocytes
CC and preventing the recruitment and activation of eosinophils. The
CC ribozymes can also be used to treat eosinophilia (related to parasitic
CC infection or with pulmonary infiltration) and L-tryptophan-associated
CC eosinophilia-myalgia syndrome. (Updated on 25-MAR-2003 to correct PI
CC field.)
XX Sequence 15 BP; 6 A; 2 C; 2 G; 0 T; 5 U; 0 Other;
SQ Query Match 8.3%; Score 10.8; DB 1; Length 15;
Best Local Similarity 64.3%; Pred. No. 3.5e+02;
Matches 9; Conservative 3; Mismatches 2; Indels 0; Gaps 0;

QY 1357 AAATATTCACGCA 1370
Db |||::: ||||
2 AAAUAUUUCAGGCA 15

RESULT 398
AAT54593/C
ID AAT54593 standard; RNA; 15 BP.
XX AAT54593;
XX 25-MAR-2003 (revised)
DT 22-APR-1997 (first entry)
XX Mouse IL-5 hammerhead ribozyme target sequence (nt. position 557).
XX Enzymatic nucleic acid; ribozyme; trans cleavage; inhibition;
KW gene expression; downregulation; interleukin-5; IL-5; ICAM-1;
KW intercellular adhesion molecule; rel A; tumour necrosis factor;
KW TNF-alpha; respiratory syncytial virus; RSV; bcr-abl; oncogene;
KW translocation; chronic myelogenous leukaemia; CML; cancer;
KW Philadelphia chromosome; inflammation; autoimmune disease;
KW atherosclerosis; myocardial infarction; stroke; restenosis;
KW transplant rejection; rheumatoid arthritis; psoriasis;
KW myocardial ischaemia; Kawasaki disease; septic shock; HIV;
KW human immunodeficiency virus; acquired immune deficiency syndrome; AIDS;
KW ss.
XX Mus musculus.
OS WO9523225-A2.
XX 31-AUG-1995.
PD 23-FEB-1995; 95WO-IB000156.
XX 23-FEB-1994; 94US-00201109.
PR 29-MAR-1994; 94US-00218934.
PR 04-APR-1994; 94US-00222795.
PR 07-APR-1994; 94US-00224483.
PR 15-APR-1994; 94US-00227958.
PR 15-APR-1994; 94US-00228041.

PR 18-MAY-1994; 94US-00245736.
PR 06-JUL-1994; 94US-00271280.
PR 15-AUG-1994; 94US-00291932.
PR 16-AUG-1994; 94US-00291433.
PR 17-AUG-1994; 94US-00292620.
PR 19-AUG-1994; 94US-00293520.
PR 02-SEP-1994; 94US-00300000.
PR 08-SEP-1994; 94US-00303039.
PR 23-SEP-1994; 94US-00311486.
PR 23-SEP-1994; 94US-00311749.
PR 28-SEP-1994; 94US-00314397.
PR 03-OCT-1994; 94US-00316771.
PR 07-OCT-1994; 94US-00319492.
PR 11-OCT-1994; 94US-00321993.
PR 04-NOV-1994; 94US-00334847.
PR 10-NOV-1994; 94US-00337608.
PR 28-NOV-1994; 94US-00345516.
PR 16-DEC-1994; 94US-00357577.
PR 23-DEC-1994; 94US-00363233.
PR 30-JAN-1995; 95US-00380734.
XX (RIBO-) RIBOZYME PHARM INC.
XX Stinchcomb DT, Chowrira B, Direnzo A, Draper KG, Dudycz LW;
PI Grimm S, Karpeisky A, Kisich K, Matulic-Adamic J, Mcswiggen JA;
PI Modak A, Pavco P, Beigleman L, Sullivan SM, Sweedler D, Thompson JD;
PI Tracz D, Usman N, Wincott FE, Woolf T;
XX WPI; 1995-351090/45.
DR Ribozymes having modified bases and methods for producing them - for use
XX in inhibiting disease related genes.
PT Claim 2; Page 220; 407pp; English.
XX The present sequence represents a preferred target sequence for an
CC enzymatic nucleic acid (i.e. a ribozyme) which cleaves interleukin-5 (IL-
CC 5) mRNA at the nucleotide base position indicated in the DE line. Regions
CC of the mRNA that do not form secondary folding structures and that
CC contain potential hammerhead and hairpin ribozyme cleavage sites were
CC identified by computer analysis. Ribozymes directed against these mRNA
CC sequences were designed and synthesised with modifications that improve
CC their nuclease resistance. The ribozymes cleave the IL-5 target sequences
CC and thereby inhibit IL-5 expression, making them useful for treating
CC chronic asthma, e.g. by inhibiting the synthesis of IL-5 in lymphocytes
CC and preventing the recruitment and activation of eosinophils. The
CC ribozymes can also be used to treat eosinophilia (related to parasitic
CC infection or with pulmonary infiltration) and L-tryptophan-associated
CC eosinophilia-myalgia syndrome. (Updated on 25-MAR-2003 to correct PI
CC field.)
XX Sequence 15 BP; 3 A; 2 C; 0 G; 0 T; 10 U; 0 Other;
SQ Query Match 8.3%; Score 10.8; DB 1; Length 15;
Best Local Similarity 85.7%; Pred. No. 3.5e+02;
Matches 12; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1437 ACATATACATGGAA 1450
Db | ||||| |||||
15 AAATATAAATGGAA 2

RESULT 399
AAT52182
ID AAT52182 standard; RNA; 15 BP.
XX AAT52182;
XX 25-MAR-2003 (revised)
DT 01-APR-1997 (first entry)
XX Mouse ICAM hammerhead ribozyme target sequence (nt. position 23).
XX

KW Enzymatic nucleic acid; ribozyme; trans cleavage; inhibition;
KW gene expression; downregulation; interleukin-5; IL-5; ICAM-1;
KW intercellular adhesion molecule; rel A; tumour necrosis factor;
KW TNF-alpha; respiratory syncytial virus; RSV; bcr-abl; oncogene;
KW translocation; chronic myelogenous leukaemia; CML; cancer;
KW Philadelphia chromosome; inflammation; autoimmune disease;
KW atherosclerosis; myocardial infarction; stroke; restenosis;
KW transplant rejection; rheumatoid arthritis; psoriasis;
KW myocardial ischaemia; Kawasaki disease; septic shock; HIV;
KW human immunodeficiency virus; acquired immune deficiency syndrome; AIDS;
KW ss.
XX
OS Mus musculus.
XX
PN WO9523225-A2.
XX
PD 31-AUG-1995.
XX
PF 23-FEB-1995; 95WO-IB000156.
XX
PR 23-FEB-1994; 94US-00201109.
PR 29-MAR-1994; 94US-00218934.
PR 04-APR-1994; 94US-00222795.
PR 07-APR-1994; 94US-00224483.
PR 15-APR-1994; 94US-00227958.
PR 15-APR-1994; 94US-00228041.
PR 18-MAY-1994; 94US-00245736.
PR 06-JUL-1994; 94US-00271280.
PR 15-AUG-1994; 94US-00291932.
PR 16-AUG-1994; 94US-00291433.
PR 17-AUG-1994; 94US-00292620.
PR 19-AUG-1994; 94US-00293520.
PR 02-SEP-1994; 94US-00300000.
PR 08-SEP-1994; 94US-00303039.
PR 23-SEP-1994; 94US-00311486.
PR 23-SEP-1994; 94US-00311749.
PR 28-SEP-1994; 94US-00314397.
PR 03-OCT-1994; 94US-00316771.
PR 07-OCT-1994; 94US-00319492.
PR 11-OCT-1994; 94US-00321993.
PR 04-NOV-1994; 94US-00334847.
PR 10-NOV-1994; 94US-00337608.
PR 28-NOV-1994; 94US-00345516.
PR 16-DEC-1994; 94US-00357577.
PR 23-DEC-1994; 94US-00363233.
PR 30-JAN-1995; 95US-00380734.
XX
PA (RIBO-) RIBOZYME PHARM INC.
XX
PI Stinchcomb DT, Chowrira B, Drenzo A, Draper KG, Dudycz LW;
PI Grimm S, Karpeisky A, Kisich K, Matulic-Adamic J, Mcswiggen JA;
PI Modak A, Pavco P, Beigleman L, Sullivan SM, Sweedler D, Thompson JD;
PI Tracz D, Usman N, Wincott FE, Woolf T;
XX
DR WPI; 1995-351090/45.
XX
XX Ribozymes having modified bases and methods for producing them - for use
PT in inhibiting disease related genes.
XX
PS Claim 2; Page 177; 407pp; English.
XX
CC The present sequence represents a preferred target sequence for an
CC enzymatic nucleic acid (i.e. a ribozyme) which cleaves ICAM-1 mRNA at the
CC nucleotide base position indicated in the DE line. Regions of the mRNA
CC that do not form secondary folding structures and that contain potential
CC hammerhead and hairpin ribozyme cleavage sites were identified by
CC computer analysis. Ribozymes directed against these mRNA sequences were
CC designed and synthesised with modifications that improve their nuclease
CC resistance. The ribozymes cleave the ICAM-1 target sequences and thereby
CC inhibit ICAM-1 expression, making them useful for reducing transplant
CC rejection and alleviating symptoms in patients with rheumatoid arthritis,
CC asthma and other inflammatory disorders. (Updated on 25-MAR-2003 to
CC correct PI field.)

XX
SQ Sequence 15 BP; 1 A; 4 C; 4 G; 0 T; 6 U; 0 Other;
Query Match 8.3%; Score 10.8; DB 1; Length 15;
Best Local Similarity 50.0%; Pred. No. 3.5e+02;
Matches 7; Conservative 5; Mismatches 2; Indels 0; Gaps 0;
QY 1421 CAGTCGTTCTATGC 1434
Db 1 CAGUGGUUCUCUGC 14
RESULT 400
AAT54303
ID AAT54303 standard; RNA; 15 BP.
XX
AC AAT54303;
XX
DT 25-MAR-2003 (revised)
DT 24-MAR-1997 (first entry)
XX
DE Human IL-5 hammerhead ribozyme target sequence (nt. position 581).
KW Enzymatic nucleic acid; ribozyme; trans cleavage; inhibition;
KW gene expression; downregulation; interleukin-5; IL-5; ICAM-1;
KW intercellular adhesion molecule; rel A; tumour necrosis factor;
KW TNF-alpha; respiratory syncytial virus; RSV; bcr-abl; oncogene;
KW translocation; chronic myelogenous leukaemia; CML; cancer;
KW Philadelphia chromosome; inflammation; autoimmune disease;
KW atherosclerosis; myocardial infarction; stroke; restenosis;
KW transplant rejection; rheumatoid arthritis; psoriasis;
KW myocardial ischaemia; Kawasaki disease; septic shock; HIV;
KW human immunodeficiency virus; acquired immune deficiency syndrome; AIDS;
KW ss.
XX
OS Homo sapiens.
XX
PN WO9523225-A2.
XX
PD 31-AUG-1995.
XX
PF 23-FEB-1995; 95WO-IB000156.
XX
PR 23-FEB-1994; 94US-00201109.
PR 29-MAR-1994; 94US-00218934.
PR 04-APR-1994; 94US-00222795.
PR 07-APR-1994; 94US-00224483.
PR 15-APR-1994; 94US-00227958.
PR 15-APR-1994; 94US-00228041.
PR 18-MAY-1994; 94US-00245736.
PR 06-JUL-1994; 94US-00271280.
PR 15-AUG-1994; 94US-00291932.
PR 16-AUG-1994; 94US-00291433.
PR 17-AUG-1994; 94US-00292620.
PR 19-AUG-1994; 94US-00293520.
PR 02-SEP-1994; 94US-00300000.
PR 08-SEP-1994; 94US-00303039.
PR 23-SEP-1994; 94US-00311486.
PR 23-SEP-1994; 94US-00311749.
PR 28-SEP-1994; 94US-00314397.
PR 03-OCT-1994; 94US-00316771.
PR 07-OCT-1994; 94US-00319492.
PR 11-OCT-1994; 94US-00321993.
PR 04-NOV-1994; 94US-00334847.
PR 10-NOV-1994; 94US-00337608.
PR 28-NOV-1994; 94US-00345516.
PR 16-DEC-1994; 94US-00357577.
PR 23-DEC-1994; 94US-00363233.
PR 30-JAN-1995; 95US-00380734.
XX
PA (RIBO-) RIBOZYME PHARM INC.
XX
PI Stinchcomb DT, Chowrira B, Drenzo A, Draper KG, Dudycz LW;

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PI Grimm S, Karpeisky A, Kisich K, Matulic-Adamic J, Mcswiggen JA;
PI Modak A, Pavco P, Beigleman L, Sullivan SM, Sweedler D, Thompson JD;
PI Tracz D, Usman N, Wincott FE, Woolf T;
XX WPI; 1995-351090/45.
XX
PT Ribozymes having modified bases and methods for producing them - for use
PT in inhibiting disease related genes.
PS Claim 2; Page 215; 407pp; English.
XX
CC The present sequence represents a preferred target sequence for an
CC enzymatic nucleic acid (i.e. a ribozyme) which cleaves interleukin-5 (IL-
CC 5) mRNA at the nucleotide base position indicated in the DE line. Regions
CC of the mRNA that do not form secondary folding structures and that
CC contain potential hammerhead and hairpin ribozyme cleavage sites were
CC identified by computer analysis. Ribozymes directed against these mRNA
CC sequences were designed and synthesised with modifications that improve
CC their nuclease resistance. The ribozymes cleave the IL-5 target sequences
CC and thereby inhibit IL-5 expression, making them useful for treating
CC chronic asthma, e.g. by inhibiting the synthesis of IL-5 in lymphocytes
CC and preventing the recruitment and activation of eosinophils. The
CC ribozymes can also be used to treat eosinophilia (related to parasitic
CC infection or with pulmonary infiltration) and L-tryptophan-associated
CC eosinophilia-myalgia syndrome. (Updated on 25-MAR-2003 to correct PI
CC field.)
XX
SQ Sequence 15 BP; 6 A; 2 C; 2 G; 0 T; 5 U; 0 Other;
Query Match 8.3%; Score 10.8; DB 1; Length 15;
Best Local Similarity 57.1%; Pred. No. 3.5e+02;
Matches 8; Conservative 4; Mismatches 2; Indels 0; Gaps 0;
QY 1358 AATATTCACGCAT 1371
Db 1 AAUAAUUUCAGGCAU 14
RESULT 401
AAT52438
ID AAT52438 standard; RNA; 15 BP.
XX
AC AAT52438;
XX
DT 25-MAR-2003 (revised)
DT 09-APR-1997 (first entry)
XX
DE Mouse ICAM hammerhead ribozyme target sequence (nt. position 2291).
XX
KW Enzymatic nucleic acid; ribozyme; trans cleavage; inhibition;
KW gene expression; downregulation; interleukin-5; IL-5; ICAM-1;
KW intercellular adhesion molecule; rel A; tumour necrosis factor;
KW TNF-alpha; respiratory syncytial virus; RSV; bcr-abl; oncogene;
KW translocation; chronic myelogenous leukaemia; CML; cancer;
KW Philadelphia chromosome; inflammation; autoimmune disease;
KW atherosclerosis; myocardial infarction; stroke; restenosis;
KW transplant rejection; rheumatoid arthritis; psoriasis;
KW myocardial ischaemia; Kawasaki disease; septic shock; HIV;
KW human immunodeficiency virus; acquired immune deficiency syndrome; AIDS;
KW ss.
XX
OS Mus musculus.
XX
PN WO9523225-A2.
XX
PD 31-AUG-1995.
XX
PF 23-FEB-1995; 95WO-IB000156.
XX
PR 23-FEB-1994; 94US-00201109.
PR 29-MAR-1994; 94US-00218934.
PR 04-APR-1994; 94US-00222795.
PR 07-APR-1994; 94US-00224483.
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PR 15-APR-1994; 94US-00227958.
PR 15-APR-1994; 94US-00228041.
PR 18-MAY-1994; 94US-00245736.
PR 06-JUL-1994; 94US-00271280.
PR 15-AUG-1994; 94US-00291932.
PR 16-AUG-1994; 94US-00291433.
PR 17-AUG-1994; 94US-00292620.
PR 19-AUG-1994; 94US-00293520.
PR 02-SEP-1994; 94US-00300000.
PR 08-SEP-1994; 94US-00303039.
PR 23-SEP-1994; 94US-00311486.
PR 23-SEP-1994; 94US-00311749.
PR 28-SEP-1994; 94US-00314397.
PR 03-OCT-1994; 94US-00316771.
PR 07-OCT-1994; 94US-00319492.
PR 11-OCT-1994; 94US-00321993.
PR 04-NOV-1994; 94US-00334847.
PR 10-NOV-1994; 94US-00337608.
PR 28-NOV-1994; 94US-00345516.
PR 16-DEC-1994; 94US-00357577.
PR 23-DEC-1994; 94US-00363233.
PR 30-JAN-1995; 95US-00380734.
XX
PA (RIBO-) RIBOZYME PHARM INC.
XX
PI Stinchcomb DT, Chowrira B, Drenzo A, Draper KG, Dudycz LW;
PI Grimm S, Karpeisky A, Kisich K, Matulic-Adamic J, Mcswiggen JA;
PI Modak A, Pavco P, Beigleman L, Sullivan SM, Sweedler D, Thompson JD;
PI Tracz D, Usman N, Wincott FE, Woolf T;
XX WPI; 1995-351090/45.
XX
PT Ribozymes having modified bases and methods for producing them - for use
PT in inhibiting disease related genes.
XX Claim 2; Page 179; 407pp; English.
XX
CC The present sequence represents a preferred target sequence for an
CC enzymatic nucleic acid (i.e. a ribozyme) which cleaves ICAM-1 mRNA at the
CC nucleotide base position indicated in the DE line. Regions of the mRNA
CC that do not form secondary folding structures and that contain potential
CC hammerhead and hairpin ribozyme cleavage sites were identified by
CC computer analysis. Ribozymes directed against these mRNA sequences were
CC designed and synthesised with modifications that improve their nuclease
CC resistance. The ribozymes cleave the ICAM-1 target sequences and thereby
CC inhibit ICAM-1 expression, making them useful for reducing transplant
CC rejection and alleviating symptoms in patients with rheumatoid arthritis,
CC asthma and other inflammatory disorders. (Updated on 25-MAR-2003 to
CC correct PI field.)
XX
SQ Sequence 15 BP; 1 A; 4 C; 4 G; 0 T; 6 U; 0 Other;
Query Match 8.3%; Score 10.8; DB 1; Length 15;
Best Local Similarity 50.0%; Pred. No. 3.5e+02;
Matches 7; Conservative 5; Mismatches 2; Indels 0; Gaps 0;
QY 1421 CAGTCGTTCTATGC 1434
Db 1 CAGUGGUUCUCUGC 14
RESULT 402
AAV60860
ID AAV60860 standard; DNA; 15 BP.
XX
AC AAV60860;
XX
DT 25-JAN-1999 (first entry)
XX
DE MAb MCPC603 Vh CDR1 coding sequence.
XX Mutation; mutagenesis; antigen-binding region; monoclonal antibody;
KW catalytic site; serine protease; complementarity determining region;
```

KW walk-through; ss.
XX
OS Homo sapiens.
XX
PN US5798208-A.
XX
PD 25-AUG-1998.
XX
PF 02-NOV-1992; 92US-00930600.
XX
PR 05-APR-1990; 90US-00505314.
XX
PA (CREA/) CREA R.
XX
PI Crea R;
XX
DR WPI; 1998-480376/41.
DR P-PSDB; AAW68512.
XX
PT Mutagenesis of pre-determined gene sequences - useful for systematic
PT changes of pre-determined amino acids to see their effect on protein
PT activity, and to create gene expression libraries.
XX
PS Disclosure; Fig 3A; 33pp; English.
XX
CC The invention relates to a method of generating mutations in proteins by
CC synthesising a mixture of oligonucleotides in order to alter the codons
CC for specific amino acids within a defined region of the protein. Using a
CC range of oligonucleotides for the mutations, expression libraries of the
CC mutant protein can be constructed. As an example of the method, the
CC antigen-binding region of the monoclonal antibody (Mab) MCP603 (which
CC binds phosphocholine) is altered to contain the catalytic triad residues
CC for a serine protease. Specifically the amino acids to be altered are
CC selected from the Asp of the complementarity determining region (CDR) 1
CC region of the variable heavy chain (Vh) of the antibody, the His of Vh
CC CDR3 and the Ser of the CDR2 from the light chain variable region (Vl).
CC The mutagenesis is by a "walk-through" method. The sequence presented
CC here corresponds to the coding sequence for the CDR1 from the Vh region
CC of the Mab. The coding sequence is mutagenised using oligonucleotides
CC AAV60861 or AAV60878
XX
SQ Sequence 15 BP; 4 A; 3 C; 4 G; 4 T; 0 U; 0 Other;

Query Match 8.3%; Score 10.8; DB 1; Length 15;
Best Local Similarity 85.7%; Pred. No. 3.5e+02;
Matches 12; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1436 GACATATACATGGA 1449
Db 1 GACTTCTACATGGA 14

RESULT 403
AAX31602
ID AAX31602 standard; DNA; 15 BP.
XX
AC AAX31602;
XX
DT 21-MAY-1999 (first entry)
XX
DE Tag sequence of a transcript increased in pancreatic cancer.
XX
KW Tag sequence; colorectal cancer; pancreatic cancer; colon cancer;
KW diagnosis; prognosis; treatment; ss.
XX
OS Homo sapiens.
XX
PN WO9853319-A2.
XX
PD 26-NOV-1998.
XX
PF 20-MAY-1998; 98WO-US010277.
XX

PR 21-MAY-1997; 97US-0047352P.
XX
PA (UYJO) UNIV JOHNS HOPKINS.
XX
PI Vogelstein B, Kinzler KW;
XX
DR WPI; 1999-070161/06.
XX
PT Use of isolated gene transcripts - useful for developing products for the
PT diagnosis, prognosis and treatment of cancers, particularly colon and
PT pancreatic cancer.
XX
PS Claim 13; Page 63; 120pp; English.
XX
CC AAX30947-31815 represent tag sequences of transcripts that are
CC differentially expressed in colorectal cancer, in pancreatic cancer, or
CC in both. The tag sequences can be used to identify genes by matching the
CC tag to a gen data base member, or by using the tag sequences as probes to
CC isolate unidentified genes from cDNA libraries. The tag sequences can
CC also be used in a method for diagnosing colon or pancreatic cancer in a
CC sample suspected of being neoplastic. The method comprises comparing the
CC level of at least one transcript in a first sample of a tissue to a
CC second sample, where the first sample is a colonic tissue suspected of
CC being neoplastic and the second sample is a normal human colonic tissue.
CC The transcript is identified by a tag selected from AAX30947-31815. The
CC methods of the invention can be used in the diagnosis, prognosis and
CC treatment of cancer
XX
SQ Sequence 15 BP; 10 A; 1 C; 3 G; 1 T; 0 U; 0 Other;

Query Match 8.3%; Score 10.8; DB 1; Length 15;
Best Local Similarity 85.7%; Pred. No. 3.5e+02;
Matches 12; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1346 CAGGGGAGCAAAAA 1359
Db 1 CATGGGAAAAAAA 14

RESULT 404
AAZ63880/c
ID AAZ63880 standard; RNA; 15 BP.
XX
AC AAZ63880;
XX
DT 28-MAR-2000 (first entry)
XX
DE Substrate for hammerhead ribozyme which cleaves HCV RNA at nt. 2513.
XX
KW Enzymatic nucleic acid; hammerhead ribozyme; virus replication; cleavage;
KW cirrhosis; liver failure; hepatocellular carcinoma; interferon; cancer;
KW autoimmune disease; ss.
XX
OS Hepatitis C virus.
XX
PN WO9955847-A2.
XX
PD 04-NOV-1999.
XX
PF 26-APR-1999; 99WO-US009027.
XX
PR 27-APR-1998; 98US-0083217P.
PR 18-SEP-1998; 98US-0100842P.
PR 25-FEB-1999; 99US-00257608.
PR 23-MAR-1999; 99US-00274553.
XX
PA (RIBO-) RIBOZYME PHARM INC.
XX
PI Blatt L, Mcswiggen JA, Roberts E, Pavco PA, Macejak D;
XX
DR WPI; 2000-062023/05.
XX
PT Novel ribozymes for the treatment of diseases and conditions related to

CC inhibiting or reducing growth factor mediated cell proliferation,
CC inflammation and/or other disorders. The present sequence is an
CC oligonucleotide which can be used to design the antisense
CC oligonucleotides of the present invention (see AAF45151 and AAF45153-
CC F45161). The method is useful for ameliorating the effects of psoriasis,
CC ichthyosis, pityriasis, ruba, pilaris, serborrhea, keloids, keratosis,
CC neoplasias, scleroderma, warts, benign growths, cancers of the skin, a
CC hyperneovascular condition such as a neovascular condition of the retina,
CC brain or skin, growth factor-mediated malignancies, other sclerotic
CC disease, kidney disease, hyperproliferation of the inside of blood
CC vessels or any other hyperplasia
XX
SQ Sequence 15 BP; 6 A; 0 C; 4 G; 5 T; 0 U; 0 Other;
Query Match 8.3%; Score 10.8; DB 1; Length 15;
Best Local Similarity 85.7%; Pred. No. 3.5e+02;
Matches 12; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
QY 1350 GGAGAGAAAATATT 1363
Db 1 GGAGAGAAAATTT 14
RESULT 407
AAF50409
ID AAF50409 standard; DNA; 15 BP.
XX
AC AAF50409;
XX
DT 30-MAR-2001 (first entry)
XX
DE IGF-I oligonucleotide #1369.
XX
KW Antisense therapy; antiproliferative; antiinflammatory; antipsoriatic;
KW cytostatic; dermatological; cardiant; virucide; ophthalmological; keloid;
KW skin disorder; Insulin-like Growth Factor 1 receptor; IGF-1; pityriasis;
KW IGF binding protein; IGFBP-2; IGFBP3; inflammation; psoriasis; pilaris;
KW growth factor mediated cell proliferation; ichthyosis; serborrhea; ruba;
KW keratosis; neoplasia; scleroderma; wart; skin cancer; sclerotic disease;
KW hyperneovascular condition; hyperplasia; kidney disease;
KW neovascular condition of the retina; ss.
XX
OS Homo sapiens.
XX
PN WO200078341-A1.
XX
PD 28-DEC-2000.
XX
PF 21-JUN-2000; 2000WO-AU000693.
XX
PR 21-JUN-1999; 99US-0140345P.
XX
PA (MURD-) MURDOCH CHILDRENS RES INST.
XX
PI Wraight CJ, Werther GA, Edmondson SR;
XX
DR WPI; 2001-041421/05.
XX
PT Ameliorating the effects of a disorder, e.g. psoriasis, by administering
PT UV (ultra-violet) treatment (optional) and an antisense nucleic acid that
PT inhibits or reduces growth factor mediated cell proliferation and/or
PT inflammation.
XX
PS Example 8; Page 69; 201pp; English.
XX
CC The present invention relates to a method for ameliorating the effects of
CC skin disorders. The method comprises contacting the skin with an
CC antisense oligonucleotide, (for Insulin-like Growth Factor [IGF]-1
CC receptor, IGF binding protein [IGFBP]-2 or IGFBP3), which is capable of
CC inhibiting or reducing growth factor mediated cell proliferation,
CC inflammation and/or other disorders. The present sequence is an
CC oligonucleotide which can be used to design the antisense
CC oligonucleotides of the present invention (see AAF45151 and AAF45153-

CC F45161). The method is useful for ameliorating the effects of psoriasis,
CC ichthyosis, pityriasis, ruba, pilaris, serborrhea, keloids, keratosis,
CC neoplasias, scleroderma, warts, benign growths, cancers of the skin, a
CC hyperneovascular condition such as a neovascular condition of the retina,
CC brain or skin, growth factor-mediated malignancies, other sclerotic
CC disease, kidney disease, hyperproliferation of the inside of blood
CC vessels or any other hyperplasia
XX
SQ Sequence 15 BP; 8 A; 1 C; 5 G; 1 T; 0 U; 0 Other;
Query Match 8.3%; Score 10.8; DB 1; Length 15;
Best Local Similarity 85.7%; Pred. No. 3.5e+02;
Matches 12; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
QY 1394 AAAGGAGGTAAAT 1407
Db 1 AAAGCAGGGAAT 14
RESULT 408
AAF48106/c
ID AAF48106 standard; DNA; 15 BP.
XX
AC AAF48106;
XX
DT 30-MAR-2001 (first entry)
XX
DE IGFBP3 oligonucleotide #1526.
XX
KW Antisense therapy; antiproliferative; antiinflammatory; antipsoriatic;
KW cytostatic; dermatological; cardiant; virucide; ophthalmological; keloid;
KW skin disorder; Insulin-like Growth Factor 1 receptor; IGF-1; pityriasis;
KW IGF binding protein; IGFBP-2; IGFBP3; inflammation; psoriasis; pilaris;
KW growth factor mediated cell proliferation; ichthyosis; serborrhea; ruba;
KW keratosis; neoplasia; scleroderma; wart; skin cancer; sclerotic disease;
KW hyperneovascular condition; hyperplasia; kidney disease;
KW neovascular condition of the retina; ss.
XX
OS Homo sapiens.
XX
PN WO200078341-A1.
XX
PD 28-DEC-2000.
XX
PF 21-JUN-2000; 2000WO-AU000693.
XX
PR 21-JUN-1999; 99US-0140345P.
XX
PA (MURD-) MURDOCH CHILDRENS RES INST.
XX
PI Wraight CJ, Werther GA, Edmondson SR;
XX
DR WPI; 2001-041421/05.
XX
PT Ameliorating the effects of a disorder, e.g. psoriasis, by administering
PT UV (ultra-violet) treatment (optional) and an antisense nucleic acid that
PT inhibits or reduces growth factor mediated cell proliferation and/or
PT inflammation.
XX
PS Example 7; Page 54; 201pp; English.
XX
CC The present invention relates to a method for ameliorating the effects of
CC skin disorders. The method comprises contacting the skin with an
CC antisense oligonucleotide, (for Insulin-like Growth Factor [IGF]-1
CC receptor, IGF binding protein [IGFBP]-2 or IGFBP3), which is capable of
CC inhibiting or reducing growth factor mediated cell proliferation,
CC inflammation and/or other disorders. The present sequence is an
CC oligonucleotide which can be used to design the antisense
CC oligonucleotides of the present invention (see AAF45151 and AAF45153-
CC F45161). The method is useful for ameliorating the effects of psoriasis,
CC ichthyosis, pityriasis, ruba, pilaris, serborrhea, keloids, keratosis,
CC neoplasias, scleroderma, warts, benign growths, cancers of the skin, a
CC hyperneovascular condition such as a neovascular condition of the retina,

CC brain or skin, growth factor-mediated malignancies, other sclerotic
CC disease, kidney disease, hyperproliferation of the inside of blood
CC vessels or any other hyperplasia
XX
SQ Sequence 15 BP; 3 A; 2 C; 2 G; 8 T; 0 U; 0 Other;
Query Match 8.3%; Score 10.8; DB 1; Length 15;
Best Local Similarity 85.7%; Pred. No. 3.5e+02;
Matches 12; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
QY 1432 TGCAGACATATACA 1445
Db 14 TGAAGACATAAACAA 1
RESULT 409
AAF48104/c
ID AAF48104 standard; DNA; 15 BP.
XX
AC AAF48104;
XX
DT 30-MAR-2001 (first entry)
XX
DE IGFBP3 oligonucleotide #1524.
XX
KW Antisense therapy; antiproliferative; antiinflammatory; antipsoriatic;
KW cytostatic; dermatological; cardiant; virucide; ophthalmological; keloid;
KW skin disorder; Insulin-like Growth Factor 1 receptor; IGF-1; pityriasis;
KW IGF binding protein; IGFBP-2; IGFBP3; inflammation; psoriasis; pilaris;
KW growth factor mediated cell proliferation; ichthyosis; serborrhea; ruba;
KW keratosis; neoplasia; scleroderma; wart; skin cancer; sclerotic disease;
KW hyperneovascular condition; hyperplasia; kidney disease;
KW neovascular condition of the retina; ss.
XX
OS Homo sapiens.
XX
PN WO200078341-A1.
XX
PD 28-DEC-2000.
XX
PF 21-JUN-2000; 2000WO-AU000693.
XX
PR 21-JUN-1999; 99US-0140345P.
XX
PA (MURD-) MURDOCH CHILDRENS RES INST.
XX
PI Wright CJ, Werther GA, Edmondson SR;
XX
DR WPI; 2001-041421/05.
XX
PT Ameliorating the effects of a disorder, e.g. psoriasis, by administering
PT UV (ultra-violet) treatment (optional) and an antisense nucleic acid that
PT inhibits or reduces growth factor mediated cell proliferation and/or
PT inflammation.
XX
PS Example 7; Page 54; 201pp; English.
XX
CC The present invention relates to a method for ameliorating the effects of
CC skin disorders. The method comprises contacting the skin with an
CC antisense oligonucleotide, (for Insulin-like Growth Factor [IGF]-1
CC receptor, IGF binding protein [IGFBP]-2 or IGFBP3), which is capable of
CC inhibiting or reducing growth factor mediated cell proliferation,
CC inflammation and/or other disorders. The present sequence is an
CC oligonucleotide which can be used to design the antisense
CC oligonucleotides of the present invention (see AAF45151 and AAF45153-
CC F45161). The method is useful for ameliorating the effects of psoriasis,
CC ichthyosis, pityriasis, ruba, pilaris, serborrhea, keloids, keratosis,
CC neoplasias, scleroderma, warts, benign growths, cancers of the skin, a
CC hyperneovascular condition such as a neovascular condition of the retina,
CC brain or skin, growth factor-mediated malignancies, other sclerotic
CC disease, kidney disease, hyperproliferation of the inside of blood
CC vessels or any other hyperplasia
XX

SQ Sequence 15 BP; 3 A; 2 C; 2 G; 8 T; 0 U; 0 Other;
Query Match 8.3%; Score 10.8; DB 1; Length 15;
Best Local Similarity 85.7%; Pred. No. 3.5e+02;
Matches 12; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
QY 1433 GCAGACATATACAT 1446
Db 15 GAAGACATAAACAT 2
RESULT 410
ABX03919/c
ID ABX03919 standard; DNA; 15 BP.
XX
AC ABX03919;
XX
DT 09-JAN-2003 (first entry)
XX
DE C. sputigena 16S rRNA fragment.
XX
KW Detection; probe; diagnosis; oral disease; parodontitis; caries; therapy;
KW polymorphism; virulence factor; antibiotic resistance gene; prognosis;
KW oral infection; detection; pathogen; coronary heart disease;
KW diabetic symptom; ss.
XX
OS Capnocytophaga sputigena.
XX
PN DE20110013-U1.
XX
PD 18-OCT-2001.
XX
PF 13-MAR-2001; 2001DE-02010013.
XX
PR 13-MAR-2001; 2001DE-01012348.
PR 13-MAR-2001; 2001DE-02010013.
XX
PA (ROET/) ROETGER A.
XX
DR WPI; 2001-657777/76.
XX
PT Oligonucleotide array, useful for diagnosing oral diseases, particularly
PT parodontitis, carries human or microbial reference sequences.
XX
PS Claim 8; Page 19; 58pp; German.
XX
CC This invention describes a novel nucleotide carrier with probes used for
CC diagnosis of oral diseases, particularly parodontitis, but also caries,
CC especially to identify genetic predisposition (as indicated by
CC polymorphisms) to disease and to identify causative microorganisms or
CC their associated virulence factors and antibiotic resistance genes, e.g.
CC for selection of therapy and for prognosis. They are also useful for
CC research into oral infections. The carriers allow simultaneous detection
CC of both host and pathogen parameters, providing quickly and simply an
CC individual's parodontitis profile, including detection of pathogens that
CC are associated with increased risk of coronary heart diseases and/or
CC aggravation of diabetic symptoms, and of opportunistic pathogens.
CC ABX03870-ABX04044 represent DNA fragments used to illustrate the method
CC of the invention
XX
SQ Sequence 15 BP; 6 A; 2 C; 0 G; 7 T; 0 U; 0 Other;
Query Match 8.3%; Score 10.8; DB 1; Length 15;
Best Local Similarity 85.7%; Pred. No. 3.5e+02;
Matches 12; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
QY 1404 AAATTGTTAATGAT 1417
Db 15 AAATTGTTAGTAAT 2
RESULT 411
ABL95788

ID ABL95788 standard; DNA; 15 BP.
XX
AC ABL95788;
XX
DT 19-JUN-2002 (first entry)
XX
DE Myeloid progenitor inhibitor factor-1delta23 oligonucleotide #2.
XX
KW Recombinant protein production; drug; reagent; food stuff; ss.
XX
OS Unidentified.
XX
PN WO200208417-A1.
XX
PD 31-JAN-2002.
XX
PF 25-JUL-2001; 2001WO-JP006392.
XX
PR 25-JUL-2000; 2000JP-00229064.
XX
PA (TAKE) TAKEDA CHEM IND LTD.
XX
PI Ito T, Tanaka Y, Kondo M;
XX
DR WPI; 2002-179906/23.
XX
PT Production of recombinant proteins in prokaryotes or eukaryotes
PT particularly with target proteins obtainable through gene recombination
PT technique, for use as drugs, reagents, raw materials for industries and
PT feeding stuffs.
XX
PS Example 6; Page 42; 137pp; Japanese.
XX
CC The present invention relates to a method for producing recombinant
CC proteins. The method comprises preparing a recombinant vector for
CC transforming a host cell before culturing the obtained transformant,
CC assaying expression of the reporter gene and confirming high expression
CC of the reporter gene. The recombinant proteins are useful as drugs,
CC reagents, raw materials for industries and feeding stuffs. Also, the
CC proteins are obtainable on large-scale production. The present sequence
CC was used to illustrate the invention
XX
SQ Sequence 15 BP; 5 A; 5 C; 3 G; 2 T; 0 U; 0 Other;

Query Match 8.3%; Score 10.8; DB 1; Length 15;
Best Local Similarity 85.7%; Pred. No. 3.5e+02;
Matches 12; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1357 AAATATCCACGCA 1370
DB 2 ACAGATTCACGCA 15

RESULT 412
ABQ96112/C
ID ABQ96112 standard; DNA; 15 BP.
XX
AC ABQ96112;
XX
DT 28-OCT-2002 (first entry)
XX
DE Tumour suppression-related oligonucleotide #1763.
XX
KW Tumour; cytostatic; antiviral; neuroprotective; nootropic; neuroleptic;
KW tumour suppression; tumour reversion; apoptosis; viral resistance; human;
KW viral infection; cell degeneration disease; neurodegeneration; ds;
KW Alzheimer's disease; schizophrenia; immune disease; inflammatory disease.
XX
OS Homo sapiens.
XX
PN FR2819824-A1.
XX
PD 26-JUL-2002.

XX 23-JAN-2001; 2001FR-00000899.
PF
XX
PR 23-JAN-2001; 2001FR-00000899.
XX
PA (MOLE-) MOLECULAR ENGINES LAB SA.
XX
PI Telerman A, Amson R, Tuijnder M, Susini L;
XX
DR WPI; 2002-610803/66.
XX
PT New nucleic acid implicated e.g. in tumor suppression, useful for
PT diagnosis of tumors, viral infection and cellular degeneration and for
PT drug screening.
XX
PS Claim 1; Page 486; 623pp; French.
XX
CC The present invention relates to novel human nucleic acid sequences (I).
CC The present sequence is one such nucleic acid sequence. Expression of (I)
CC are implicated in tumour suppression or reversion and apoptosis and viral
CC resistance. (I) are useful as probes or primers for detecting,
CC identifying, measuring and/or amplifying nucleic acid sequences, as
CC antisense reagents and for recombinant production of polypeptides. (I),
CC polypeptides (II) encoded by (I), vector containing (I), cells containing
CC these vectors and antibodies (Ab) against (II) are all useful for
CC treatment/prevention of viral, tumour and cell degeneration diseases
CC (especially neurodegeneration, such as Alzheimer's disease and
CC schizophrenia). Analysing the expression of (I) is also useful for
CC diagnosis and/or prognosis of such diseases. Transgenic animals carrying
CC (I) are used for studying the aetiology of these diseases (also immune
CC and inflammatory diseases). Note: In the present specification, SEQ ID 1
CC to 2280 are claimed in Claim 1, however only SEQ ID 1 to 2270 are shown
CC in the specification
XX
SQ Sequence 15 BP; 4 A; 2 C; 2 G; 7 T; 0 U; 0 Other;

Query Match 8.3%; Score 10.8; DB 1; Length 15;
Best Local Similarity 85.7%; Pred. No. 3.5e+02;
Matches 12; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1353 AGAAAAATATTCCA 1366
DB 15 AGGAAAAATTTTCCA 2

RESULT 413
ABZ34164
ID ABZ34164 standard; DNA; 15 BP.
XX
AC ABZ34164;
XX
DT 31-JAN-2003 (first entry)
XX
DE HIV-1 reverse transcriptase mutation detection probe SEQ ID NO:406.
XX
KW Human immunodeficiency virus; HIV; reverse transcriptase; RT; enzyme;
KW detection; mutation; anti-HIV drug resistance; polymorphism; resistance;
KW probe; ss.
XX
OS Human immunodeficiency virus 1.
OS Synthetic.
XX
PN WO200255741-A2.
XX
PD 18-JUL-2002.
XX
PF 09-JAN-2002; 2002WO-EP000153.
XX
PR 11-JAN-2001; 2001EP-00870005.
PR 20-APR-2001; 2001EP-00870085.
PR 24-APR-2001; 2001US-0286102P.
XX
PA (INNO-) INNOGENETICS NV.

XX De Smet K, Stuyver L;
PI WPI; 2002-590680/63.
XX
XX Detecting mutations associated with anti-HIV drug resistance comprises
DR detecting at least one of the mutations in the HIV reverse transcriptase
PT gene by using probes optimized to function together in a reverse-
PT hybridization assay.
XX
PS Claim 2; Page 26; 117pp; English.
XX
CC The present invention describes a method for detecting mutations
CC associated with anti-HIV drug resistance in a patient by detecting at
CC least one of the mutations K103N/R, V106A/I/L, Y181C/I, M184V/I, Y188L,
CC G190A/S/R, T215Y/F/D/S/A and/or Q151M/L in the reverse transcriptase (RT)
CC of HIV strains in a biological sample using a specific set of probes
CC optimised to function together in a reverse-hybridisation assay. The
CC method and the nucleic acid sequences used in the method are useful for
CC determining viral mutations and/or polymorphisms in the HIV RT gene
CC associated with resistance. The probes are useful for the genetic
CC detection, preferably in vitro detection of the mutations K103N/R,
CC V106A/I/L, Y181C/I, Q151M/L, M184V/I, Y188L, G190A/S/R and/or
CC T215Y/F/D/S/A in the RT of HIV strains in a biological sample, where the
CC mutation is associated with anti-HIV drug resistance. The method provides
CC a rapid, reliable and precise assay or determination and monitoring of
CC antiviral drug resistance or mutations associated with drug resistance of
CC viruses containing RT genes. AB233759 to AB234642 represent HIV RT
CC sequences and probes which are used in the exemplification of the present
CC invention
XX
SQ Sequence 15 BP; 3 A; 1 C; 7 G; 4 T; 0 U; 0 Other;

Query Match 8.3%; Score 10.8; DB 1; Length 15;
Best Local Similarity 85.7%; Pred. No. 3.5e+02;
Matches 12; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1442 TACATGGAGATGG 1455
Db ||| |||| |||||
2 TACGTGGATGATGG 15

RESULT 414
ABK32556
ID ABK32556 standard; DNA; 15 BP.
XX
AC ABK32556;
XX
DT 23-APR-2002 (first entry)
XX
DE Human pancreatic cancer SAGE tag #108.
XX
KW Human; colon cancer; colorectal cancer; pancreatic cancer; SAGE tag;
KW serial analysis of gene expression; diagnostic; prognostic; probe;
KW cancer marker; ss.
XX
OS Homo sapiens.
XX
FN US6333152-B1.
XX
PD 25-DEC-2001.
XX
PF 20-MAY-1998; 98US-00081646.
XX
PR 20-MAY-1998; 98US-00081646.
XX
PA (UYJO) UNIV JOHNS HOPKINS.
XX
PI Vogelstein B, Kinzler KW, Zhang L, Zhou W;
XX
DR WPI; 2002-153821/20.
XX
PT New human nucleic acid containing specific SAGE tags, useful as

PT diagnostic markers for cancer, also derived probes.
XX
PS Disclosure; Col 75; 161pp; English.
XX
CC The invention relates to an isolated, purified human nucleic acid (I)
CC that has the same sequence as a mRNA found in humans and is a SAGE
CC (serial analysis of gene expression) tag comprising a single stranded
CC probe containing at least 10 consecutive nucleotides. SAGE tags, are
CC diagnostic and prognostic markers of cancer, especially of the colon and
CC pancreas. ABK31900-ABK32770 represent human colon and pancreatic cancer
CC SAGE tags of the invention
XX
SQ Sequence 15 BP; 10 A; 1 C; 3 G; 1 T; 0 U; 0 Other;

Query Match 8.3%; Score 10.8; DB 1; Length 15;
Best Local Similarity 85.7%; Pred. No. 3.5e+02;
Matches 12; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1346 CAGGGGAAGAAAA 1359
Db ||| |||| |||||
1 CATGGGAAGAAAA 14

RESULT 415
ABX00933/c
ID ABX00933 standard; RNA; 15 BP.
XX
AC ABX00933;
XX
DT 23-DEC-2002 (first entry)
XX
DE Hepatitis C virus substrate #715 for HCV hammerhead ribozyme #715.
XX
KW Enzymatic nucleic acid; RNA cleavage; Hepatitis C virus infection;
KW HCV ribozyme; HCV expression; HCV replication; cirrhosis; virucide;
KW liver failure; hepatocellular carcinoma; HCV infection; drug therapy;
KW type I interferon; interferon alpha; interferon beta; cytostatic;
KW interferon gamma; consensus interferon; hepatotropic; antiinflammatory;
KW substrate; hammerhead ribozyme; HH ribozyme; ss.
XX
OS Hepatitis C virus.
XX
FN US2002082225-A1.
XX
PD 27-JUN-2002.
XX
PF 23-MAR-1999; 99US-00274553.
XX
PR 23-MAR-1999; 99US-00274553.
XX
PA (BLAT/) BLATT L.
PA (MCSW/) MCSWIGGEN J A.
PA (ROBE/) ROBERTS B.
PA (PAVC/) PAVCO P A.
PA (MACE/) MACEJACK D.
XX
PI Blatt L, Mcswiggen JA, Roberts B, Pavco PA, Macejack D;
XX
DR WPI; 2002-617759/66.
XX
PT New ribozymes targeting RNA derived from hepatitis C virus inhibit viral
PT replication and are useful to treat hepatitis C virus infections and
PT cirrhosis, liver failure or hepatocellular carcinoma.
XX
PS Claim 1; Page 42; 80pp; English.
XX
CC The present invention relates to enzymatic nucleic acids which
CC specifically cleave RNA derived from Hepatitis C virus (HCV). The
CC enzymatic nucleic acid or ribozyme is in a hammerhead (HH) or hairpin
CC (Hp) motif where the binding arms comprise sequences complementary to one
CC of the substrate sequences defined in the specification. The HCV
CC ribozymes are useful for modulating the expression and/or replication of
CC HCV. They can be used to treat cirrhosis, liver failure and/or

CC hepatocellular carcinoma. The HCV ribozymes are also useful for treating
CC a condition associated with HCV infection in conjunction with one or more
CC other drug therapies, particularly type I interferon, especially
CC interferon alpha, beta or gamma or consensus interferon. The present
CC sequence represents a substrate for a HCV hammerhead (HH) ribozyme. Note:
CC Some of the sequence data for this patent did not form part of the
CC printed specification. The complete sequence data for this patent was
CC obtained in electronic format directly from the USPTO web site at
CC seqdata.uspto.gov/psipsDIDentry.html
XX
SQ Sequence 15 BP; 0 A; 5 C; 2 G; 0 T; 8 U; 0 Other;

Query Match 8.3%; Score 10.8; DB 1; Length 15;
Best Local Similarity 85.7%; Pred. No. 3.5e+02;
Matches 12; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1346 CAGGGGAAGAAAA 1359
DB 14 CAGGAGAAGGAAAA 1

RESULT 416
ADD54915
ID ADD54915 standard; DNA; 15 BP.

XX ADD54915;

XX 15-JAN-2004 (first entry)

XX Heavy chain variable region CDR1 DNA #1.

XX mutagenesis; protein mutagenesis; screening; CDR;
KW complementarity determining region; variable region; ds; gene.
KW Unidentified.

XX US2003194807-A1.

XX 16-OCT-2003.

XX 20-FEB-2003; 2003US-00371404.

XX 02-NOV-1992; 92US-00930600.

XX 30-MAY-1995; 95US-00453623.

XX (CREA/) CREA R.

XX Crea R;

XX WPI; 2003-844460/78.

XX Mutagenesis of a protein comprises introducing a predetermined amino acid
PT into each set of selected sequence positions in a predefined region of
PT the protein to produce a protein library comprising mutant proteins.

XX Disclosure; Fig 3a; 44pp; English.

XX The invention relates to a method of mutagenesis of a protein. The
CC methods are useful for generating libraries of mutant proteins that are
CC of a practical size for screening, for studying the role of amino acids
CC in protein structure and function and for developing new or improved
CC proteins and polypeptides such as enzymes, antibodies their binding
CC fragments or analogues. The present sequence is used in the
CC exemplification of the invention.

XX Sequence 15 BP; 4 A; 3 C; 4 G; 4 T; 0 U; 0 Other;

Query Match 8.3%; Score 10.8; DB 1; Length 15;
Best Local Similarity 85.7%; Pred. No. 3.5e+02;
Matches 12; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1436 GACATATACATGGA 1449
||| |||||

Db 1 GACTTCTACATGGA 14
RESULT 417
ABI94164/c
ID ABI94164 standard; DNA; 20 BP.
XX ABI94164;
AC ABI94164;
XX 16-FEB-2002 (first entry)
DT
XX Capture oligonucleotide Zip ID#1251 oligo #9.

XX Human; K-ras; PCR primer; probe; capture probe; mutation detection;
KW ligase detection reaction; LDR; p53; BRCA1; BRCA2; infectious disease;
KW infection; 21 hydroxylase deficiency; Turner Syndrome; obesity; cancer;
KW oncogene; tumour suppressor; human papillomavirus; forensic;
KW environmental monitoring; food industry; feed industry; ss.

OS Synthetic.

XX WO200179548-A2.

XX 25-OCT-2001.

XX 04-APR-2001; 2001WO-US010958.

XX 14-APR-2000; 2000US-0197271P.

XX (CORR) CORNELL RES FOUND INC.

XX Barany F, Zirvi M, Gerry NP, Favis R, Kliman R;

XX WPI; 2002-034366/04.

XX Designing capture oligonucleotide probes for use on a support to which
PT complementary oligonucleotides hybridize with little mismatch.

XX Example 5; Fig 29; 300pp; English.

XX The present invention describes a method (M1) for designing capture
CC oligonucleotide probes (I) for use on a support to which complementary
CC oligonucleotide probes (II) will hybridise with little mismatch, where
CC (I) have melting temperatures within a narrow range. The method is useful
CC for detecting infectious diseases caused by bacterial infectious agents
CC e.g. Salmonella, Listeria monocytogenes and Haemophilus influenza, fungal
CC infectious agents e.g. Cryptococcus neoformans, Candida albicans and
CC Aspergillus fumigatus, viruses e.g. T-cell lymphocytotropic virus,
CC Epstein-Barr virus and polio virus, and parasitic infectious agents
CC selected from Onchocerca volvulus, Entamoeba histolytica and Dracunculus
CC medinensis. The method is also useful for detecting genetic diseases such
CC as 21 hydroxylase deficiency, Turner Syndrome and obesity defects.

CC Detecting cancer involving oncogenes, tumour suppressor genes, or genes
CC involved in DNA amplification, replication, recombination or repair, the
CC cancer is specifically associated with a gene selected from BRCA1 gene,
CC p53 gene, human papillomavirus types 16 and 18 and liver cancers. The
CC method is also used for environmental monitoring, forensics and the food
CC and feed industry, detecting comprises scanning (using e.g. a scanning
CC electron microscope and infrared microscope) the support at the
CC particular sites and identifying if ligation of the oligonucleotide probe
CC sets occurred and correlating (using a computer) identified ligation to a
CC presence or absence of the target nucleotide sequences. ABI82074 to
CC ABI97546 represent oligonucleotide sequences used in the exemplification
CC of the present invention

XX Sequence 20 BP; 6 A; 7 C; 4 G; 3 T; 0 U; 0 Other;

Query Match 8.3%; Score 10.8; DB 1; Length 20;
Best Local Similarity 85.7%; Pred. No. 4.8e+02;
Matches 12; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1374 CGAGCGATCGTCTT 1387
||| |||||

XX (EPIG-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 46138; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 7 A; 1 C; 0 G; 4 T; 0 U; 1 Other;
Query Match 8.2%; Score 10.6; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 3.2e+02;
Matches 10; Conservative 1; Mismatches 0; Indels 0; Gaps 0;
QY 1354 GAAAAATATTC 1364
Db 1 RAAAAATATTC 11
RESULT 421
ABC46120/c
ID ABC46120 standard; DNA; 13 BP.
XX
AC ABC46120;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 46137 for detecting SNP TSC0013366.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 46137; 29pp + Sequence Listing; German.
XX

CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 4 A; 0 C; 1 G; 7 T; 0 U; 1 Other;
Query Match 8.2%; Score 10.6; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 3.2e+02;
Matches 10; Conservative 1; Mismatches 0; Indels 0; Gaps 0;
QY 1354 GAAAAATATTC 1364
Db 13 RAAAAATATTC 3
RESULT 422
ABC46125
ID ABC46125 standard; DNA; 13 BP.
XX
AC ABC46125;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 46142 for detecting SNP TSC0013366.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 46142; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX

SQ Sequence 13 BP; 6 A; 1 C; 1 G; 4 T; 0 U; 1 Other;
Query Match 8.2%; Score 10.6; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 3.2e+02;
Matches 10; Conservative 1; Mismatches 0; Indels 0; Gaps 0;
QY 1354 GAAAAATATTC 1366
:|||||
Db 1 RAAAAATATTC 11
RESULT 423
ABC79606/c
ID ABC79606 standard; DNA; 13 BP.
XX
AC ABC79606;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 79623 for detecting SNP TSC0020222.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
AC ABC79606;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 79623 for detecting SNP TSC0020222.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 79623; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 3 A; 0 C; 3 G; 6 T; 0 U; 1 Other;
This invention describes novel oligonucleotide primers or peptide nucleic
acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
and cytosine methylation status in chemically pretreated genomic DNA. The
oligonucleotides are used for diagnosis and/or prognosis of cancer and a
range of diseases including immune system, gastrointestinal, respiratory,
central nervous system, cardiovascular and metabolic disorders. The
oligomers are also used for detecting cell type differentiation. ABC00010
-ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
represent the oligomers described in the invention. NOTE: The sequence
data for this patent did not form part of the printed specification, but
was obtained in electronic format from WIPO at
ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 3 A; 0 C; 3 G; 6 T; 0 U; 1 Other;
Query Match 8.2%; Score 10.6; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 3.2e+02;
Matches 10; Conservative 1; Mismatches 0; Indels 0; Gaps 0;
QY 1356 AAAATATTTCCA 1366
:|||||
Db 13 RAAATATTTCCA 3
RESULT 424
ABC79607

ID ABC79607 standard; DNA; 13 BP.
XX
AC ABC79607;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 79624 for detecting SNP TSC0020222.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 79624; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 6 A; 3 C; 0 G; 3 T; 0 U; 1 Other;
Query Match 8.2%; Score 10.6; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 3.2e+02;
Matches 10; Conservative 1; Mismatches 0; Indels 0; Gaps 0;
QY 1356 AAAATATTTCCA 1366
:|||||
Db 1 RAAATATTTCCA 11
RESULT 425
ABC46124/c
ID ABC46124 standard; DNA; 13 BP.
XX
AC ABC46124;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 46141 for detecting SNP TSC0013366.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.

XX WO200177384-A2.
PN
XX
PD 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
PF
XX
XX 07-APR-2000; 2000DE-01019173.
PR
XX
XX (EPIG-) EPIGENOMICS AG.
PA
XX
XX Olek A, Piepenbrock C, Berlin K;
PI
XX
XX WPI; 2001-657177/75.
DR
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
PT
PS Claim 1; SEQ ID NO 46141; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC9989, ABF0010-ABF9989, ABH0010-ABH9989 and ABI0010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 4 A; 1 C; 1 G; 6 T; 0 U; 1 Other;

Query Match 8.2%; Score 10.6; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 3.2e+02;
Matches 10; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1354 GAAAAATATTC 1364
Db :|||||
13 RAAAAATATTC 3

RESULT 426
AAD43620
ID AAD43620 standard; DNA; 15 BP.
XX
AC AAD43620;
XX
DT 14-NOV-2002 (first entry)
XX
DE Human interleukin 15 (IL15) gene polymorphism detecting ASO probe #6.
XX
KW Human; interleukin 15; IL15; haplotype; polymorphic site; PS;
KW drug screening; infection; human immunodeficiency virus; leukaemia;
KW transgenic animal; anti-inflammatory; cytostatic; antibacterial;
KW gene therapy; probe; ss.
XX
OS Homo sapiens.
XX
XX WO200263044-A2.
PN
XX
XX 15-AUG-2002.
XX
XX 15-AUG-2001; 2001WO-US025470.
PF
XX
XX 08-FEB-2001; 2001WO-US004130.
PR
XX
XX (GENA-) GENAISSANCE PHARM INC.
PA
XX
XX Anastasio AE, Chew A, Denton RR, Nandabalan K, Stephens JC;
PI

PI Tirrell C;
XX
DR WPI; 2002-636598/68.
XX
XX New genetic variants comprising haplotypes of the human interleukin 15
PT (IL15) gene, useful for treating infections, human immunodeficiency virus
PT or T cell leukemia, or for screening drugs for treating these diseases.
XX
XX Claim 16; Page 14; 84pp; English.
PS
XX
XX The invention relates to an isolated polynucleotide, which comprises
CC polymorphisms in the human interleukin 15 (IL15) gene. The polynucleotide
CC comprises genes and haplotypes of the IL15 gene. The polynucleotide
CC comprises polymorphic sites referred to as PSI-13 to designate the order
CC in which they are located in the gene. The polynucleotide comprising
CC polymorphisms in the IL15 gene is useful in screening candidate drugs to
CC treat diseases associated to IL15 activity, e.g. infections, human
CC immunodeficiency virus or T cell leukaemia. The IL15 isogenes are
CC especially useful for treating these diseases. The methods and haplotypes
CC are useful in improving the efficiency of drug discovery and development
CC processes, or for designing clinical trials of candidate drugs for
CC treating the specific condition or disease. The transgenic animals are
CC useful for studying expression of the IL15 isogenes in vivo, for in vivo
CC screening and testing of drugs targetted against IL15 protein, and for
CC testing the efficacy of the therapeutic agents. The present sequence is
CC human IL15 gene polymorphism detecting ASO (allele-specific
CC oligonucleotide) probe
XX
SQ Sequence 15 BP; 10 A; 0 C; 2 G; 2 T; 0 U; 1 Other;

Query Match 8.2%; Score 10.6; DB 1; Length 15;
Best Local Similarity 90.9%; Pred. No. 3.8e+02;
Matches 10; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1351 GAAGAAAAATA 1361
Db :|||||
5 GAARAAAAATA 15

RESULT 427
AAS99209/C
ID AAS99209 standard; DNA; 15 BP.
XX
AC AAS99209;
XX
XX 12-MAR-2002 (first entry)
XX
XX Human NAT1 gene allele-specific oligonucleotide sequencing primer #1.
DE
XX Human; N-acetyltransferase 1; arylamine N-acetyltransferase; NAT1; ss;
KW haplotyping; cytostatic; haplotype pair; single nucleotide polymorphism;
KW genotyping; gene therapy; drug screening; lung cancer; sequencing primer;
KW PCR primer; probe.
XX
OS Homo sapiens.
XX
XX WO200179551-A1.
PN
XX 25-OCT-2001.
PD
XX
XX 11-APR-2001; 2001WO-US011852.
PF
XX
XX 12-APR-2000; 2000US-0196773P.
PR
XX
XX (GENA-) GENAISSANCE PHARM INC.
PA (SANC/) SANCHIS A.
XX
XX Bentivegna SC, Choi JY, Koshy B;
PI
XX WPI; 2002-075073/10.
DR
XX
XX New polynucleotide, useful in developing diagnostic tests and therapeutic
PT treatments for lung cancer, comprises single nucleotide polymorphisms in

PT human N-acetyltransferase 1 (arylamine N-acetyltransferase), NAT1 gene.

XX Claim 16; Page 13; 55pp; English.

PS The invention relates to single nucleotide polymorphisms in the gene

XX encoding the human N-acetyltransferase 1 (arylamine N-acetyltransferase)

CC or NAT1 polypeptide. A method for haplotyping the NAT1 gene in an

CC individual comprises identifying the nucleotide at one or more

CC polymorphic sites and determining whether one of the copies of the gene

CC is defined by one of the NAT1 haplotypes given in the specification or

CC whether both copies are defined by a haplotype pair. This method is

CC useful in genotyping, whereby all possible haplotype pairs can be

CC assigned to specific genotypes. An association between a trait and a

CC haplotype or haplotype pair of the NAT1 gene can be identified by

CC comparing the frequency of the haplotype or haplotype pair in a

CC population exhibiting the trait with the frequency of the haplotype or

CC haplotype pair in a reference population, where a higher haplotype

CC frequency in the trait population indicates the trait is associated with

CC the haplotype or haplotype pair. NAT1 and its corresponding DNA are used

CC for studying the expression and function of NAT1, for use in screening

CC for candidate drugs to treat diseases related to NAT1 activity, such as

CC lung cancer. The sequences are also useful for studying the effect of

CC variation on the biological activity of NAT1 as well as on the binding

CC affinity of candidate drugs targeting NAT1. Sequences AAS99204-AAS99228

CC represent allele-specific oligonucleotide probes, sequencing primers and

CC PCR primers used to detect NAT1 gene polymorphisms

XX

SQ Sequence 15 BP; 6 A; 3 C; 3 G; 2 T; 0 U; 1 Other;

Query Match 8.2%; Score 10.6; DB 1; Length 15;

Best Local Similarity 90.9%; Pred. No. 3.8e+02;

Matches 10; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1382 CGTCTTCTGAT 1392

DB 15 CRTCTTCTGAT 5

RESULT 428

AAX19088

ID AAX19088 standard; DNA; 12 BP.

XX

AC AAX19088;

XX

DT 13-MAY-1999 (first entry)

XX

DE Oligonucleotide 5 (451) donor.

XX

KW Human; peroxisome proliferator activated receptor gamma; PPAR-gamma;

KW regulatory sequence; promoter; obesity; anorexia; lipoma; cachexia;

KW lipodystrophy; liposarcoma; human immunodeficiency virus; HIV;

KW insulin resistance; non-insulin-dependent diabetes mellitus;

KW polycystic ovary syndrome; gastrointestinal tract; Crohn's disease;

KW inflammatory bowel disease; ulcerative colitis; bowel cancer; ss.

XX

OS Synthetic.

XX

PN WO9905161-A1.

XX

PD 04-FEB-1999.

XX

XX 24-JUL-1998; 98WO-US015411.

PF

XX 25-JUL-1997; 97US-0053692P.

PR

XX (LIGA-) LIGAND PHARM INC.

PA (INSP) INST PASTEUR.

XX

XX Briggs MR, Saladin RS, Auwerx J, Fajas L;

PI

XX WPI; 1999-142844/12.

DR

XX Newly isolated nucleic acid comprising a control region of a human

PT

PT peroxisome proliferator activated receptor (PPAR) gamma gene - useful for

PT identifying modulators that are useful in treating diseases associated

XX with abnormal levels of human PPAR-gamma gene expression.

PS Disclosure; Page 95; 102pp; English.

XX The present invention describes an isolated, purified or enriched nucleic

CC acid comprising a control region of a human peroxisome proliferator

CC activated receptor gamma (PPAR-gamma) gene. The nucleic acids are useful

CC for screening for agents capable of modulating the expression of a human

CC PPAR-gamma gene. These agents (modulators) form pharmaceutical

CC compositions that are useful for treating diseases associated with

CC high/low levels of human PPAR-gamma gene expression. The diseases include

CC obesity, anorexia, cachexia, lipodystrophy, lipomas, liposarcomas,

CC abnormalities associated with anti-human immunodeficiency virus (HIV)

CC treatment, insulin resistance, non-insulin-dependent diabetes mellitus

CC (NIDDM), polycystic ovary syndrome, diseases of the gastrointestinal (GI)

CC tract, inflammatory bowel disease, Crohn's disease, ulcerative colitis

CC and bowel cancer. The nucleic acids are useful for studying the role of

CC the PPAR-gamma gene in various diseases and disorders. The structure of

CC PPAR-gamma enables genetic studies of PPAR- gamma mutations in humans,

CC and evaluation of its role in disorders like insulin resistance, NIDDM,

CC and diseases associated with altered adipose tissue function, like

CC obesity and lipodystrophic syndromes. The nucleic acids are also useful

CC for gene therapy and the production of transgenic animals, which are

CC useful in screening assays. The control regions of the nucleic acids

CC enable screening for modulators of the human PPAR-gamma gene, which are

CC useful in designing drugs for treating disorders or diseases associated

CC with the level of PPAR-gamma gene expression. The present invention

CC represents an oligonucleotide sequence from the present invention

XX

SQ Sequence 12 BP; 4 A; 0 C; 5 G; 3 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 12;

Best Local Similarity 91.7%; Pred. No. 3.1e+02;

Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1397 GGAGGTAAATTT 1408

DB 1 GGAGGTAAGATT 12

RESULT 429

AAX14803/C

ID AAX14803 standard; DNA; 12 BP.

XX

AC AAX14803;

XX

DT 24-MAR-1999 (first entry)

XX

XX Triple helix third strand of Hepatitis B virus nucleotides 2258-2269.

DE

XX Triplex formation; DNA detection; triple helix; identification; bacteria;

KW oncogene; virus; ss.

KW

XX

OS Synthetic.

OS Hepatitis B virus.

XX

XX US5861244-A.

PN

XX 19-JAN-1999.

PD

XX 22-DEC-1993; 93US-00173489.

PF

XX 29-OCT-1992; 92US-00968436.

PR

XX (PROF-) PROFILE DIAGNOSTIC SCI INC.

XX

XX Hepburn AG, Wang C;

PI

XX WPI; 1999-130384/11.

DR

XX Assay of genetic sequences based on triplex formation from double

PT

PT stranded analyte - and hybrid of anchor and reporter sequences, with
PT reporter released if triplex formation occurs, used e.g. to identify
PT bacteria.
XX
PS Disclosure; Col 19-20; 168pp; English.
XX
CC The present sequence represents a polynucleotide that is able to form a
CC triple helix with a double stranded sequence. Cytosine bases in the
CC present can be replaced with 5-methylcytosine for increased triplex
CC stability. The present sequence is used in the assay of the invention,
CC where it can be part of the anchor DNA or reporter DNA sequence. The
CC assay comprises adding a sample containing double-stranded DNA test
CC sequences to an aqueous medium containing at least one complex of anchor
CC DNA, attached to a solid support, and reporter DNA, where either a part
CC of the anchor DNA or reporter DNA is designed to form a triple-strand
CC structure with part of the test sequence. Triplex formation results in
CC displacement of the reporter DNA which is detected as an indication of
CC the presence of the DNA test sequence. The method is used to detect DNA
CC sequences, particularly for identification of bacteria (by detecting
CC genes for ribosomal RNA) in clinical samples, but also detection of
CC oncogenes and Hepatitis B virus
XX
SQ Sequence 12 BP; 0 A; 5 C; 1 G; 6 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 3.1e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1348 GGGGAAGAAAA 1359
DB 12 GGGGCAGAAAA 1

RESULT 430
AAH21571
ID AAH21571 standard; DNA; 12 BP.
XX
AC AAH21571;
XX
DT 10-AUG-2001 (first entry)
XX
DE Human hypocretin receptor 2 (HCRTR2) splice donor site SEQ ID NO:33.
XX
KW Human; narcolepsy; hypocretin receptor 2; orexin receptor 2; HCRTR2;
KW diagnosis; PCR primer; ss.
XX
OS Homo sapiens.
XX
PN WO200130991-A2.
XX
PD 03-MAY-2001.
XX
PF 22-AUG-2000; 2000WO-US023021.
XX
PR 25-OCT-1999; 99US-00426290.
XX
PA (DECO-) DECODE GENETICS EHF.
XX
PI Olafsdottir BR, Gulcher J;
XX
DR WPI; 2001-300504/31.
XX
PT Gene for hypocretin (orexin) receptor 2 (HCRTR2) which is associated with
PT narcolepsy, useful in methods of diagnosis of narcolepsy and
PT pharmaceutical compositions for therapy.
XX
PS Example 1; Page 26; 85pp; English.
XX
CC The present invention describes the human hypocretin (orexin) receptor 2
CC (HCRTR2) gene (given in AAH21613), which is associated with narcolepsy.
CC Identification of the HCRTR2 nucleic acid molecule permits the diagnosis
CC of narcolepsy. A method from the present invention is provided for
CC treating narcolepsy by administering to the individual an isolated HCRTR2

CC nucleic acid in a therapeutically effective amount so that the cells
CC produce native HCRTR2 receptor. The diagnosis of narcolepsy has been
CC difficult to differentiate from other conditions such as chronic fatigue
CC syndrome or other sleep disorders but detection of HCRTR2 nucleic acid
CC makes it possible to accurately diagnose narcolepsy. AAH21541 to AAH21612
CC represent primers used in the identification of the narcolepsy gene in an
CC example from the present invention. AAH21613 represents the HCRTR2 gene
CC which encodes the HCRTR2 protein given in AAB98007
XX
SQ Sequence 12 BP; 8 A; 0 C; 3 G; 1 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 3.1e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1395 AAGGAGGTAAAA 1406
DB 1 AAAGAGGTAAAA 12

RESULT 431
ABH98538/c
ID ABH98538 standard; DNA; 12 BP.
XX
AC ABH98538;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 298531 for detecting SNP TSC0018143.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 298531; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 2 A; 2 C; 0 G; 8 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 3.1e+02;


```
XX PF 06-APR-2001; 2001WO-IB0000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX DR WPI; 2001-657177/75.
XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX PS Claim 1; SEQ ID NO 308016; 29pp + Sequence Listing; German.
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX SQ Sequence 12 BP; 3 A; 6 C; 0 G; 3 T; 0 U; 0 Other;

Query Match      8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 3.1e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1450 AGATGGGTTGAT 1461
Db 12 AGATGGGTGGAT 1

RESULT 435
ABI40085/c
ID ABI40085 standard; DNA; 12 BP.
XX AC ABI40085;
XX DT 22-FEB-2002 (first entry)
XX DE Oligonucleotide primer SEQ ID NO 340058 for detecting SNP TSC0041323.
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB0000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX DR WPI; 2001-657177/75.
XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
```

```
PT methylation status.
XX PS Claim 1; SEQ ID NO 340058; 29pp + Sequence Listing; German.
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX SQ Sequence 12 BP; 2 A; 4 C; 0 G; 6 T; 0 U; 0 Other;

Query Match      8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 3.1e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1349 GGAAGAAAAAT 1360
Db 12 GGTAGAAAAAT 1

RESULT 436
ABI15688/c
ID ABI15688 standard; DNA; 12 BP.
XX AC ABI15688;
XX DT 22-FEB-2002 (first entry)
XX DE Oligonucleotide primer SEQ ID NO 315661 for detecting SNP TSC0027026.
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB0000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX DR WPI; 2001-657177/75.
XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX PS Claim 1; SEQ ID NO 315661; 29pp + Sequence Listing; German.
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
```

CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences

XX SQ Sequence 12 BP; 5 A; 2 C; 0 G; 5 T; 0 U; 0 Other;
Query Match 8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 3.1e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1399 AGGTAAATTTGT 1410
Db 12 AGGTAAATTTT 1

RESULT 437
ABI80168/c
ID ABI80168 standard; DNA; 12 BP.

XX AC ABI80168;
XX DT 22-FEB-2002 (first entry)

XX DE Oligonucleotide primer SEQ ID NO 380141 for detecting SNP TSC0063658.

XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.

XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.

XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;

XX DR WPI; 2001-657177/75.
XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.

XX PS Claim 1; SEQ ID NO 380141; 29pp + Sequence Listing; German.

XX CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences

XX SQ Sequence 12 BP; 4 A; 0 C; 1 G; 7 T; 0 U; 0 Other;
Query Match 8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 3.1e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1355 AAAAATATTTCCA 1366
Db 12 AAAAATATTTCA 1

RESULT 438
ABI77869/c
ID ABI77869 standard; DNA; 12 BP.

XX AC ABI77869;
XX DT 22-FEB-2002 (first entry)

XX DE Oligonucleotide primer SEQ ID NO 377842 for detecting SNP TSC0062519.

XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.

XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.

XX PA (EPIG-) EPIGENOMICS AG.

XX PI Olek A, Piepenbrock C, Berlin K;
XX DR WPI; 2001-657177/75.

XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.

XX PS Claim 1; SEQ ID NO 377842; 29pp + Sequence Listing; German.

XX CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences

XX SQ Sequence 12 BP; 4 A; 0 C; 1 G; 7 T; 0 U; 0 Other;
Query Match 8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 3.1e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1353 AGAAAAATATTC 1364
Db 12 ATAAAAATATTC 1

RESULT 439
ABH72734
ID ABH72734 standard; DNA; 12 BP.

XX AC ABH72734;
XX DT 22-FEB-2002 (first entry)

XX DE Oligonucleotide primer SEQ ID NO 272719 for detecting SNP TSC0002915.
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;

CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 5 A; 0 C; 2 G; 5 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 3.1e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1399 AGTAAATTTGT 1410
Db 1 AGTAAATTTT 12

RESULT 442
ABI04840/C
ID ABI04840 standard; DNA; 12 BP.

XX ABI04840;

XX 22-FEB-2002 (first entry)

DE Oligonucleotide primer SEQ ID NO 304813 for detecting SNP TSC0021122.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

OS Homo sapiens.

PN WO200177384-A2.

XX 18-OCT-2001.

XX 06-APR-2001; 2001WO-IB000713.

XX 07-APR-2000; 2000DE-01019173.

XX (EPIG-) EPIGENOMICS AG.

XX Olek A, Piepenbrock C, Berlin K;

XX WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.

PS Claim 1; SEQ ID NO 304813; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX

SQ Sequence 12 BP; 6 A; 3 C; 0 G; 3 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 3.1e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1400 GGTAAATTTGT 1411
Db 12 GGTAAATTTGT 1

RESULT 443
ABH84238
ID ABH84238 standard; DNA; 12 BP.

XX ABH84238;

XX 22-FEB-2002 (first entry)

XX Oligonucleotide primer SEQ ID NO 284231 for detecting SNP TSC0011734.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

OS Homo sapiens.

PN WO200177384-A2.

XX 18-OCT-2001.

XX 06-APR-2001; 2001WO-IB000713.

XX 07-APR-2000; 2000DE-01019173.

XX (EPIG-) EPIGENOMICS AG.

XX Olek A, Piepenbrock C, Berlin K;

XX WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.

XX Claim 1; SEQ ID NO 284231; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX

SQ Sequence 12 BP; 6 A; 0 C; 4 G; 2 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 3.1e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1395 AAGGAGGTAAAA 1406
Db 1 AAGGAGGTAAAA 12

RESULT 444
ABI13653
ID ABI13653 standard; DNA; 12 BP.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 344833; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 6 A; 1 C; 0 G; 5 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 3.1e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1401 GTAAATTTGTTA 1412
Db 12 GTAAATTTTTA 1

RESULT 447
ABI52611
ID ABI52611 standard; DNA; 12 BP.
XX
AC ABI52611;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 352584 for detecting SNP TSC0007996.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 352584; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The

CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 7 A; 0 C; 0 G; 5 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 3.1e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1403 AAAATTGTTAAT 1414
Db 1 AAAATTATTAAAT 12

RESULT 448
ABI63322/C
ID ABI63322 standard; DNA; 12 BP.
XX
AC ABI63322;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 363295 for detecting SNP TSC0053756.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 363295; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 4 A; 4 C; 0 G; 4 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 3.1e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1398 GAGGTAAATTTG 1409
DB 12 GAGGTAAATTTG 1

RESULT 449
ABH93314/c
ID ABH93314 standard; DNA; 12 BP.
AC ABH93314;
XX 22-FEB-2002 (first entry)
DT
DE Oligonucleotide primer SEQ ID NO 293307 for detecting SNP TSC0015566.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 293307 for detecting SNP TSC0015566.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
PI Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
DR
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 293307; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 3 A; 5 C; 2 G; 2 T; 0 U; 0 Other;
XX
Query Match 8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 3.1e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1375 GAGCGATCGTCT 1386
DB 12 GAGCGATCGTGT 1

RESULT 450
ABH80028/c
ID ABH80028 standard; DNA; 12 BP.
XX
AC ABH80028;
XX
DT 22-FEB-2002 (first entry)
XX

DE Oligonucleotide primer SEQ ID NO 280021 for detecting SNP TSC0008049.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
PI Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
DR
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 280021; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 3 A; 0 C; 2 G; 7 T; 0 U; 0 Other;
XX
Query Match 8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 3.1e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1460 ATCAAGCAATA 1471
DB 12 ATCAATCAATA 1

RESULT 451
ABI31356
ID ABI31356 standard; DNA; 12 BP.
XX
AC ABI31356;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 331329 for detecting SNP TSC0036121.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.

XX PR 07-APR-2000; 2000DE-01019173.
XX (EPIG-) EPIGENOMICS AG.
XX PA Olek A, Piepenbrock C, Berlin K;
XX PI WPI; 2001-657177/75.
XX DR Set of oligonucleotides, useful for diagnosis and cell typing, is
XX PT designed to detect single-nucleotide polymorphisms and cytosine
XX PT methylation status.
XX PS Claim 1; SEQ ID NO 331329; 29pp + Sequence Listing; German.
XX XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX XX
SQ Sequence 12 BP; 6 A; 0 C; 2 G; 4 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 3.1e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1403 AAAATTGTTAAT 1414
Db 1 AAAATTGTGAAT 12

RESULT 452
ABH83408
ID ABH83408 standard; DNA; 12 BP.
XX AC ABH83408;
XX DT 22-FEB-2002 (first entry)
XX DE Oligonucleotide primer SEQ ID NO 283401 for detecting SNP TSC0011291.
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX DT 22-FEB-2002 (first entry)
XX DE Oligonucleotide primer SEQ ID NO 283401 for detecting SNP TSC0011291.
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB0000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX DR WPI; 2001-657177/75.
XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
XX PT designed to detect single-nucleotide polymorphisms and cytosine
XX PT methylation status.
XX XX

PS Claim 1; SEQ ID NO 283401; 29pp + Sequence Listing; German.
XX XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX XX
SQ Sequence 12 BP; 6 A; 0 C; 2 G; 4 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 3.1e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1404 AAATTGTTAATG 1415
Db 1 AAATTGATAATG 12

RESULT 453
ABI10211
ID ABI10211 standard; DNA; 12 BP.
XX AC ABI10211;
XX DT 22-FEB-2002 (first entry)
XX DE Oligonucleotide primer SEQ ID NO 310184 for detecting SNP TSC0023858.
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB0000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX DR WPI; 2001-657177/75.
XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
XX PT designed to detect single-nucleotide polymorphisms and cytosine
XX PT methylation status.
XX PS Claim 1; SEQ ID NO 310184; 29pp + Sequence Listing; German.
XX XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at


```
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 4 A; 0 C; 2 G; 6 T; 0 U; 0 Other;

  Query Match      8.0%; Score 10.4; DB 1; Length 12;
  Best Local Similarity 91.7%; Pred. No. 3.1e+02;
  Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1408 TGTTAATGATGA 1419
Db 1 TTTTAATGATGA 12

RESULT 454
ABI43689/C
ID ABI43689 standard; DNA; 12 BP.
XX
AC ABI43689;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 343662 for detecting SNP TSC0043189.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
AC ABI43689;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 343662 for detecting SNP TSC0043189.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 343662; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 3 A; 0 C; 3 G; 6 T; 0 U; 0 Other;

  Query Match      8.0%; Score 10.4; DB 1; Length 12;
  Best Local Similarity 91.7%; Pred. No. 3.1e+02;
  Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1355 AAAAATATTCCA 1366
Db 12 AACAAATATTCCA 1
```

```
RESULT 455
ABI73097/C
ID ABI73097 standard; DNA; 12 BP.
XX
AC ABI73097;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 373070 for detecting SNP TSC0059827.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 373070; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 4 A; 2 C; 0 G; 6 T; 0 U; 0 Other;

  Query Match      8.0%; Score 10.4; DB 1; Length 12;
  Best Local Similarity 91.7%; Pred. No. 3.1e+02;
  Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1402 TAAATTTGTTAA 1413
Db 12 TAAATGTTAA 1

RESULT 456
ABH67855
ID ABH67855 standard; DNA; 12 BP.
XX
AC ABH67855;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 267832 for detecting SNP TSC0000585.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
```


CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC9989, ABF0010-ABF9989, ABH0010-ABH9989 and ABI0010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 5 A; 0 C; 1 G; 6 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 3.1e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1402 TAAATTTGTTAA 1413
Db 1 TAAATTTGTTAA 12

RESULT 459
ABI07998
ID ABI07998 standard; DNA; 12 BP.
XX
AC ABI07998;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 307971 for detecting SNP TSC0022819.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB0000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 307971; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC9989, ABF0010-ABF9989, ABH0010-ABH9989 and ABI0010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 6 A; 0 C; 5 G; 1 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 12;

Best Local Similarity 91.7%; Pred. No. 3.1e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1348 GGGGAAGAAAAA 1359
Db 1 GGGGAAGAAATAA 12

RESULT 460
ABH84597/c
ID ABH84597 standard; DNA; 12 BP.
XX
AC ABH84597;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 284590 for detecting SNP TSC0011889.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB0000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 284590; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC9989, ABF0010-ABF9989, ABH0010-ABH9989 and ABI0010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 6 A; 0 C; 0 G; 6 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 3.1e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1403 AAAATTGTTAAT 1414
Db 12 AAAATTGTTAAT 1

RESULT 461
ABI39956
ID ABI39956 standard; DNA; 12 BP.
XX
AC ABI39956;

XX 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 339929 for detecting SNP TSC0041267.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPiG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 339929; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
PS Sequence 12 BP; 5 A; 0 C; 4 G; 3 T; 0 U; 0 Other;
XX
CC Query Match 8.0%; Score 10.4; DB 1; Length 12;
CC Best Local Similarity 91.7%; Pred. No. 3.1e+02;
CC Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1399 AGCTAAATTTGT 1410
DB 1 AGCTAAATTTGT 12
RESULT 462
ABI51762/c
ID ABI51762 standard; DNA; 12 BP.
XX
AC ABI51762;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 351735 for detecting SNP TSC0010841.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX

PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPiG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 351735; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
PS Sequence 12 BP; 2 A; 0 C; 2 G; 8 T; 0 U; 0 Other;
XX
CC Query Match 8.0%; Score 10.4; DB 1; Length 12;
CC Best Local Similarity 91.7%; Pred. No. 3.1e+02;
CC Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1355 AAAAATATTCCA 1366
DB 12 AAAAATATTCCA 1
RESULT 463
ABH69040/c
ID ABH69040 standard; DNA; 12 BP.
XX
AC ABH69040;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 269017 for detecting SNP TSC0001555.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPiG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is

PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 269017; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 6 A; 1 C; 0 G; 5 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 3.1e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1403 AAAATTGTTAAT 1414
Db 12 AAATATTGTTAAT 1

RESULT 464
ABI26667/c
ID ABI26667 standard; DNA; 12 BP.
XX
AC ABI26667;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 326640 for detecting SNP TSC0033187.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB0000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 326640; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073

CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 5 A; 0 C; 0 G; 7 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 3.1e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1402 TAAAATTGTTAA 1413
Db 12 TAAAATTATTAA 1

RESULT 465
ABI29200/c
ID ABI29200 standard; DNA; 12 BP.
XX
AC ABI29200;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 329173 for detecting SNP TSC0034804.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB0000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 329173; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 4 A; 4 C; 0 G; 4 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 3.1e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1452 ATGGGTTGATCA 1463
|||||

```
Db      12 ATGGGTTGATAA 1
RESULT 466
ABH86332
ID      ABH86332 standard; DNA; 12 BP.
XX
AC      ABH86332;
XX
DT      22-FEB-2002 (first entry)
XX
DE      Oligonucleotide primer SEQ ID NO 286325 for detecting SNP TSC0012671.
XX
KW      SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW      peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW      central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS      Homo sapiens.
XX
PN      WO200177384-A2.
XX
PD      18-OCT-2001.
XX
PF      06-APR-2001; 2001WO-IB000713.
XX
PR      07-APR-2000; 2000DE-01019173.
XX
PA      (EPIG-) EPIGENOMICS AG.
XX
PI      Olek A, Piepenbrock C, Berlin K;
XX
DR      WPI; 2001-657177/75.
XX
PT      Set of oligonucleotides, useful for diagnosis and cell typing, is
PT      designed to detect single-nucleotide polymorphisms and cytosine
PT      methylation status.
XX
PS      Claim 1; SEQ ID NO 286325; 29pp + Sequence Listing; German.
XX
CC      This invention describes novel oligonucleotide primers or peptide nucleic
CC      acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC      and cytosine methylation status in chemically pretreated genomic DNA. The
CC      oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC      range of diseases including immune system, gastrointestinal, respiratory,
CC      central nervous system, cardiovascular and metabolic disorders. The
CC      oligomers are also used for detecting cell type differentiation. ABC00010
CC      -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC      represent the oligomers described in the invention. NOTE: The sequence
CC      data for this patent did not form part of the printed specification, but
CC      was obtained in electronic format from WIPO at
CC      ftp.wipo.int/pub/published_pct_sequences
XX
SQ      Sequence 12 BP; 7 A; 0 C; 1 G; 4 T; 0 U; 0 Other;
XX
Query Match      8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 3.1e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      1352 AAGAAAAATATT 1363
      | | | | | | | |
Db      1 ATGAAAAATATT 12

RESULT 467
ABI36883/c
ID      ABI36883 standard; DNA; 12 BP.
XX
AC      ABI36883;
XX
DT      22-FEB-2002 (first entry)
XX
DE      Oligonucleotide primer SEQ ID NO 336856 for detecting SNP TSC0039556.
XX

KW      SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW      peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW      central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS      Homo sapiens.
XX
PN      WO200177384-A2.
XX
PD      18-OCT-2001.
XX
PF      06-APR-2001; 2001WO-IB000713.
XX
PR      07-APR-2000; 2000DE-01019173.
XX
PA      (EPIG-) EPIGENOMICS AG.
XX
PI      Olek A, Piepenbrock C, Berlin K;
XX
DR      WPI; 2001-657177/75.
XX
PT      Set of oligonucleotides, useful for diagnosis and cell typing, is
PT      designed to detect single-nucleotide polymorphisms and cytosine
PT      methylation status.
XX
PS      Claim 1; SEQ ID NO 286325; 29pp + Sequence Listing; German.
XX
CC      This invention describes novel oligonucleotide primers or peptide nucleic
CC      acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC      and cytosine methylation status in chemically pretreated genomic DNA. The
CC      oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC      range of diseases including immune system, gastrointestinal, respiratory,
CC      central nervous system, cardiovascular and metabolic disorders. The
CC      oligomers are also used for detecting cell type differentiation. ABC00010
CC      -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC      represent the oligomers described in the invention. NOTE: The sequence
CC      data for this patent did not form part of the printed specification, but
CC      was obtained in electronic format from WIPO at
CC      ftp.wipo.int/pub/published_pct_sequences
XX
SQ      Sequence 12 BP; 7 A; 0 C; 1 G; 4 T; 0 U; 0 Other;
XX
Query Match      8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 3.1e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      1403 AAAATTGTTAAT 1414
      | | | | | | | |
Db      12 AAAATTGTTAAT 1

RESULT 468
ABH88611/c
ID      ABH88611 standard; DNA; 12 BP.
XX
AC      ABH88611;
XX
DT      22-FEB-2002 (first entry)
XX
DE      Oligonucleotide primer SEQ ID NO 288604 for detecting SNP TSC0013593.
XX
KW      SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW      peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW      central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS      Homo sapiens.
XX
PN      WO200177384-A2.
XX
PD      18-OCT-2001.
XX
PF      06-APR-2001; 2001WO-IB000713.
XX
PR      07-APR-2000; 2000DE-01019173.
XX
```

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XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX XX WPI; 2001-657177/75.
DR
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 288604; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 2 A; 1 C; 0 G; 9 T; 0 U; 0 Other;
Query Match 8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 3.1e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1351 GAAGAAAAATAT 1362
Db 12 GAAAAAAATAT 1
RESULT 469
ABI70430
ID ABI70430 standard; DNA; 12 BP.
XX
AC ABI70430;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 370403 for detecting SNP TSC0058162.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 370403; 29pp + Sequence Listing; German.
XX
```

```
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 5 A; 0 C; 2 G; 5 T; 0 U; 0 Other;
Query Match 8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 3.1e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1400 GGTAATAATTGTT 1411
Db 1 GATAATAATTGTT 12
RESULT 470
ABI61441
ID ABI61441 standard; DNA; 12 BP.
XX
AC ABI61441;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 361414 for detecting SNP TSC0010489.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 361414; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
```

```
SQ Sequence 12 BP; 4 A; 1 C; 4 G; 3 T; 0 U; 0 Other;
Query Match      8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 3.1e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1440 TATACATGGAAG 1451
    |||||
Db 1 TATACGTGGAAG 12

RESULT 471
ABI21577
ID ABI21577 standard; DNA; 12 BP.
XX
AC ABI21577;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 321550 for detecting SNP TSC0030321.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
FN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 321550; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 7 A; 0 C; 2 G; 3 T; 0 U; 0 Other;
Query Match      8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 3.1e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1351 GAAGAAAATAT 1362
    |||||
Db 1 GAAGAAAATTT 12

RESULT 472
ABI32480
```

```
ID ABI32480 standard; DNA; 12 BP.
XX
AC ABI32480;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 332453 for detecting SNP TSC0036930.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 332453; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 7 A; 2 C; 0 G; 3 T; 0 U; 0 Other;
Query Match      8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 3.1e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1353 AGAAAAATATTC 1364
    |||||
Db 1 ACAAAAAATATTC 12

RESULT 473
ABI13971/c
ID ABI13971 standard; DNA; 12 BP.
XX
AC ABI13971;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 313944 for detecting SNP TSC0026042.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
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XX WO200177384-A2.
PN
XX
XX 18-OCT-2001.
PD
XX
XX
PF 06-APR-2001; 2001WO-IB0000713.
XX
XX 07-APR-2000; 2000DE-01019173.
PR
XX (EPIG-) EPIGENOMICS AG.
PA
XX
XX
PI Olek A, Piepenbrock C, Berlin K;
PI
XX
DR WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 313944; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 2 A; 3 C; 0 G; 7 T; 0 U; 0 Other;
XX
Query Match 8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 3.1e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
Qy 1350 GGAAGAGAAAAATA 1361
Db 12 GGTAGAAAAATA 1
XX
RESULT 474
ABI39893
ID ABI39893 standard; DNA; 12 BP.
XX
AC ABI39893;
XX
XX 22-FEB-2002 (first entry)
DT
XX Oligonucleotide primer SEQ ID NO 339866 for detecting SNP TSC0041224.
DE
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
XX WO200177384-A2.
PN
XX
PD 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB0000713.
PF
XX 07-APR-2000; 2000DE-01019173.
PR
XX (EPIG-) EPIGENOMICS AG.
PA
XX
XX Olek A, Piepenbrock C, Berlin K;
PI
XX

DR WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 339866; 29pp + Sequence Listing; German.
PS
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 6 A; 0 C; 0 G; 6 T; 0 U; 0 Other;
XX
Query Match 8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 3.1e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
Qy 1403 AAAATTGTTAAT 1414
Db 1 AAAATTGTTAAT 12
XX
RESULT 475
ABI71999/c
ID ABI71999 standard; DNA; 12 BP.
XX
AC ABI71999;
XX
XX 22-FEB-2002 (first entry)
DT
XX Oligonucleotide primer SEQ ID NO 371972 for detecting SNP TSC0059093.
DE
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
XX WO200177384-A2.
PN
XX
PD 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB0000713.
PF
XX 07-APR-2000; 2000DE-01019173.
PR
XX (EPIG-) EPIGENOMICS AG.
PA
XX
XX Olek A, Piepenbrock C, Berlin K;
PI
XX
DR WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 371972; 29pp + Sequence Listing; German.
PS
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX

CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 4 A; 6 C; 0 G; 2 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 3.1e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1450 AGATGGGTTGAT 1461
Db 12 AGGTGGGTTGAT 1

RESULT 476
ABI81482/c
ID ABI81482 standard; DNA; 12 BP.
XX
AC ABI81482;
XX
DT 22-FEB-2002 (first entry)
DE Oligonucleotide primer SEQ ID NO 381455 for detecting SNP TSC0064373.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 381455; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 1 A; 4 C; 0 G; 7 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 3.1e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1347 AGGGGACAAAA 1358
Db 12 AGGGGATAAAA 1

RESULT 477
ABI17816/c
ID ABI17816 standard; DNA; 12 BP.
XX
AC ABI17816;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 317789 for detecting SNP TSC0028274.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 317789; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 1 A; 4 C; 0 G; 7 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 3.1e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1350 GGAAGAAAAATA 1361
Db 12 GGGAGAAAAATA 1

RESULT 478
ABI28415
ID ABI28415 standard; DNA; 12 BP.
XX
AC ABI28415;
XX
DT 22-FEB-2002 (first entry)

XX Oligonucleotide primer SEQ ID NO 328388 for detecting SNP TSC0034264.
DE
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB0000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 328388; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 4 A; 0 C; 3 G; 5 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 3.1e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1406 ATTGTTAATGAT 1417
Db 1 ATTGTGAATGAT 12

RESULT 479
ABH81514
ID ABH81514 standard; DNA; 12 BP.
XX
AC ABH81514;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 281507 for detecting SNP TSC0009854.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX

PF 06-APR-2001; 2001WO-IB0000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 281507; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 3 A; 0 C; 3 G; 6 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 3.1e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1406 ATTGTTAATGAT 1417
Db 1 ATTGTAGTGAT 12

RESULT 480
ABI35488/c
ID ABI35488 standard; DNA; 12 BP.
XX
AC ABI35488;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 335461 for detecting SNP TSC0038841.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB0000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.

XX PS Claim 1; SEQ ID NO 335461; 29pp + Sequence Listing; German.

XX CC This invention describes novel oligonucleotide primers or peptide nucleic

CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)

CC and cytosine methylation status in chemically pretreated genomic DNA. The

CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a

CC range of diseases including immune system, gastrointestinal, respiratory,

CC central nervous system, cardiovascular and metabolic disorders. The

CC oligomers are also used for detecting cell type differentiation. ABC00010

CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073

CC represent the oligomers described in the invention. NOTE: The sequence

CC data for this patent did not form part of the printed specification, but

CC was obtained in electronic format from WIPO at

CC ftp.wipo.int/pub/published_pct_sequences

XX SQ Sequence 12 BP; 2 A; 0 C; 3 G; 7 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 12;

Best Local Similarity 91.7%; Pred. No. 3.1e+02;

Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1355 AAAAATATTCCA 1366

Db 12 AAAACATTCCA 1

RESULT 481

ABI43883/c

ID ABI43883 standard; DNA; 12 BP.

XX AC ABI43883;

XX DT 22-FEB-2002 (first entry)

XX DE Oligonucleotide primer SEQ ID NO 343856 for detecting SNP TSC0005775.

XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;

KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;

KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX OS Homo sapiens.

XX PN WO200177384-A2.

XX PD 18-OCT-2001.

XX PF 06-APR-2001; 2001WO-IB0000713.

XX PR 07-APR-2000; 2000DE-01019173.

XX PA (EPIG-) EPIGENOMICS AG.

XX PI Olek A, Piepenbrock C, Berlin K;

XX DR WPI; 2001-657177/75.

XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is

PT designed to detect single-nucleotide polymorphisms and cytosine

PT methylation status.

XX PS Claim 1; SEQ ID NO 343856; 29pp + Sequence Listing; German.

XX SQ This invention describes novel oligonucleotide primers or peptide nucleic

CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)

CC and cytosine methylation status in chemically pretreated genomic DNA. The

CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a

CC range of diseases including immune system, gastrointestinal, respiratory,

CC central nervous system, cardiovascular and metabolic disorders. The

CC oligomers are also used for detecting cell type differentiation. ABC00010

CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073

CC represent the oligomers described in the invention. NOTE: The sequence

CC data for this patent did not form part of the printed specification, but

CC was obtained in electronic format from WIPO at

CC ftp.wipo.int/pub/published_pct_sequences

XX SQ Sequence 12 BP; 6 A; 1 C; 0 G; 5 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 12;

Best Local Similarity 91.7%; Pred. No. 3.1e+02;

Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1403 AAAATTGTTAAT 1414

Db 12 AAAATTGTTATT 1

RESULT 482

ABI44147/c

ID ABI44147 standard; DNA; 12 BP.

XX AC ABI44147;

XX DT 22-FEB-2002 (first entry)

XX DE Oligonucleotide primer SEQ ID NO 344120 for detecting SNP TSC0043393.

XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;

KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;

KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX OS Homo sapiens.

XX PN WO200177384-A2.

XX PD 18-OCT-2001.

XX PF 06-APR-2001; 2001WO-IB0000713.

XX PR 07-APR-2000; 2000DE-01019173.

XX PA (EPIG-) EPIGENOMICS AG.

XX PI Olek A, Piepenbrock C, Berlin K;

XX DR WPI; 2001-657177/75.

XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is

PT designed to detect single-nucleotide polymorphisms and cytosine

PT methylation status.

XX PS Claim 1; SEQ ID NO 344120; 29pp + Sequence Listing; German.

XX SQ This invention describes novel oligonucleotide primers or peptide nucleic

CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)

CC and cytosine methylation status in chemically pretreated genomic DNA. The

CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a

CC range of diseases including immune system, gastrointestinal, respiratory,

CC central nervous system, cardiovascular and metabolic disorders. The

CC oligomers are also used for detecting cell type differentiation. ABC00010

CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073

CC represent the oligomers described in the invention. NOTE: The sequence

CC data for this patent did not form part of the printed specification, but

CC was obtained in electronic format from WIPO at

CC ftp.wipo.int/pub/published_pct_sequences

XX SQ Sequence 12 BP; 2 A; 0 C; 3 G; 7 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 12;

Best Local Similarity 91.7%; Pred. No. 3.1e+02;

Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1434 CAGACATATACA 1445

Db 12 CAAACATATACA 1

RESULT 483
ABI48462
ID ABI48462 standard; DNA; 12 BP.
XX
AC ABI48462;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 348435 for detecting SNP TSC0045594.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
FN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 348435; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 5 A; 4 C; 1 G; 2 T; 0 U; 0 Other;
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 5 A; 4 C; 1 G; 2 T; 0 U; 0 Other;
XX
Query Match 8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 3.1e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1358 AATATTCCACGC 1369
DB 1 AATAATCCACGC 12
RESULT 484
ABI51498/c
ID ABI51498 standard; DNA; 12 BP.
XX
AC ABI51498;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 351471 for detecting SNP TSC0047337.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;

central nervous system; gastrointestinal; respiratory; immune; metabolic.
KW
XX Homo sapiens.
OS
XX WO200177384-A2.
PN
XX 18-OCT-2001.
PD
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
PI
XX WPI; 2001-657177/75.
DR
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 351471; 29pp + Sequence Listing; German.
PS
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 2 A; 0 C; 4 G; 6 T; 0 U; 0 Other;
XX
Query Match 8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 3.1e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1434 CAGACATATACA 1445
DB 12 CACACATATACA 1
RESULT 485
ABI54828/c
ID ABI54828 standard; DNA; 12 BP.
XX
AC ABI54828;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 354801 for detecting SNP TSC0049303.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.

PI Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
DR Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
PT
XX Claim 1; SEQ ID NO 354801; 29pp + Sequence Listing; German.
PS
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 5 A; 3 C; 0 G; 4 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 3.1e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1399 AGGTAAATTGT 1410
Db 12 AGGTAAATTGT 1

RESULT 486
ABI71970
ID ABI71970 standard; DNA; 12 BP.
XX
AC ABI71970;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 371943 for detecting SNP TSC0059077.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB0000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 371943; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)

CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 7 A; 0 C; 1 G; 4 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 3.1e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1352 AAGAAAATATT 1363
Db 1 AAGATAATATT 12

RESULT 487
ABI61668
ID ABI61668 standard; DNA; 12 BP.
XX
AC ABI61668;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 361641 for detecting SNP TSC0052741.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB0000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 361641; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 7 A; 0 C; 1 G; 4 T; 0 U; 0 Other;

```
Query Match      8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 3.1e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1403 AAAATTGTTAAT 1414
    ||||| |||||
Db 1 AAAATAGTTAAT 12

RESULT 488
ABI79169
ID ABI79169 standard; DNA; 12 BP.
XX
AC ABI79169;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 379142 for detecting SNP TSC0008405.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
Set of oligonucleotides, useful for diagnosis and cell typing, is
designed to detect single-nucleotide polymorphisms and cytosine
methylation status.
XX
Claim 1; SEQ ID NO 379142; 29pp + Sequence Listing; German.
XX
This invention describes novel oligonucleotide primers or peptide nucleic
acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
and cytosine methylation status in chemically pretreated genomic DNA. The
oligonucleotides are used for diagnosis and/or prognosis of cancer and a
range of diseases including immune system, gastrointestinal, respiratory,
central nervous system, cardiovascular and metabolic disorders. The
oligomers are also used for detecting cell type differentiation. ABC00010
-ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
represent the oligomers described in the invention. NOTE: The sequence
data for this patent did not form part of the printed specification, but
was obtained in electronic format from WIPO at
ftp.wipo.int/pub/published_pct_sequences
XX
Sequence 12 BP; 7 A; 2 C; 0 G; 3 T; 0 U; 0 Other;

Query Match      8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 3.1e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1460 ATCAAGCAAATA 1471
    ||||| |||||
Db 1 ATCAATCAAATA 12

RESULT 489
ABI79894/c
ID ABI79894 standard; DNA; 12 BP.
XX
```

```
AC ABI79894;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 379867 for detecting SNP TSC0009746.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
Set of oligonucleotides, useful for diagnosis and cell typing, is
designed to detect single-nucleotide polymorphisms and cytosine
methylation status.
XX
Claim 1; SEQ ID NO 379867; 29pp + Sequence Listing; German.
XX
This invention describes novel oligonucleotide primers or peptide nucleic
acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
and cytosine methylation status in chemically pretreated genomic DNA. The
oligonucleotides are used for diagnosis and/or prognosis of cancer and a
range of diseases including immune system, gastrointestinal, respiratory,
central nervous system, cardiovascular and metabolic disorders. The
oligomers are also used for detecting cell type differentiation. ABC00010
-ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
represent the oligomers described in the invention. NOTE: The sequence
data for this patent did not form part of the printed specification, but
was obtained in electronic format from WIPO at
ftp.wipo.int/pub/published_pct_sequences
XX
Sequence 12 BP; 3 A; 2 C; 0 G; 7 T; 0 U; 0 Other;

Query Match      8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 3.1e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1352 AAGAAAAATATT 1363
    ||||| |||||
Db 12 AAGAAAAATATT 1

RESULT 490
ABI81624/c
ID ABI81624 standard; DNA; 12 BP.
XX
AC ABI81624;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 381597 for detecting SNP TSC0064452.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
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XX 18-OCT-2001.
PD 06-APR-2001; 2001WO-IB000713.
XX 07-APR-2000; 2000DE-01019173.
PF (EPIG-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
DR Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 381597; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 5 A; 2 C; 0 G; 5 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 3.1e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1403 AAAATTGTTAAT 1414
Db 12 AAAATTGTTGAT 1

RESULT 491
ABI06676/C
ID ABI06676 standard; DNA; 12 BP.
XX
AC ABI06676;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 306649 for detecting SNP TSC0022106.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
AC ABI06676;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 306649 for detecting SNP TSC0022106.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX

PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 306649; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 4 A; 2 C; 0 G; 6 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 3.1e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1404 AAATTGTTAATG 1415
Db 12 AAATTGTTAATG 1

RESULT 492
ABI12548/C
ID ABI12548 standard; DNA; 12 BP.
XX
AC ABI12548;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 312521 for detecting SNP TSC0025110.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 312521; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010

CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 2 A; 0 C; 2 G; 8 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 3.1e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1355 AAAAATATTCCA 1366
Db 12 AAAAATAATCCA 1

RESULT 493
ABI38552
ID ABI38552 standard; DNA; 12 BP.
XX
AC ABI38552;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 338525 for detecting SNP TSC0040532.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
Set of oligonucleotides, useful for diagnosis and cell typing, is
designed to detect single-nucleotide polymorphisms and cytosine
methylation status.
XX
Claim 1; SEQ ID NO 338525; 29pp + Sequence Listing; German.
XX
This invention describes novel oligonucleotide primers or peptide nucleic
acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
and cytosine methylation status in chemically pretreated genomic DNA. The
oligonucleotides are used for diagnosis and/or prognosis of cancer and a
range of diseases including immune system, gastrointestinal, respiratory,
central nervous system, cardiovascular and metabolic disorders. The
oligomers are also used for detecting cell type differentiation. ABC00010
-ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
represent the oligomers described in the invention. NOTE: The sequence
data for this patent did not form part of the printed specification, but
was obtained in electronic format from WIPO at
ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 2 A; 0 C; 7 G; 3 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 3.1e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1447 GGAAGATGGGTT 1458

Db 1 GGAGGATGGGTT 12

RESULT 494
ABI14031
ID ABI14031 standard; DNA; 12 BP.
XX
AC ABI14031;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 314004 for detecting SNP TSC0026064.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
Set of oligonucleotides, useful for diagnosis and cell typing, is
designed to detect single-nucleotide polymorphisms and cytosine
methylation status.
XX
Claim 1; SEQ ID NO 314004; 29pp + Sequence Listing; German.
XX
This invention describes novel oligonucleotide primers or peptide nucleic
acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
and cytosine methylation status in chemically pretreated genomic DNA. The
oligonucleotides are used for diagnosis and/or prognosis of cancer and a
range of diseases including immune system, gastrointestinal, respiratory,
central nervous system, cardiovascular and metabolic disorders. The
oligomers are also used for detecting cell type differentiation. ABC00010
-ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
represent the oligomers described in the invention. NOTE: The sequence
data for this patent did not form part of the printed specification, but
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ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 4 A; 0 C; 2 G; 6 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 3.1e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1401 GTAAAAATTGTTA 1412
Db 1 GTAAATATTGTTA 12

RESULT 495
ABI73250/c
ID ABI73250 standard; DNA; 12 BP.
XX
AC ABI73250;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 373223 for detecting SNP TSC0059916.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB0000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
DR
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 373223; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
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CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 7 A; 2 C; 0 G; 3 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 3.1e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1407 TTGTTAATGATG 1418
Db 12 TTTTAAATGATG 1

RESULT 496
ABI62297/c
ID ABI62297 standard; DNA; 12 BP.
XX
AC ABI62297;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 362270 for detecting SNP TSC0053115.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB0000713.
XX

PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
DR
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 362270; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 4 A; 1 C; 0 G; 7 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 3.1e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1402 TAAAATTGTTAA 1413
Db 12 TAAAATAGTTAA 1

RESULT 497
ABI76736
ID ABI76736 standard; DNA; 12 BP.
XX
AC ABI76736;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 376709 for detecting SNP TSC0061943.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB0000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
DR
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 376709; 29pp + Sequence Listing; German.
XX

XX CC This invention describes novel oligonucleotide primers or peptide nucleic acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP) and cytosine methylation status in chemically pretreated genomic DNA. The oligonucleotides are used for diagnosis and/or prognosis of cancer and a range of diseases including immune system, gastrointestinal, respiratory, central nervous system, cardiovascular and metabolic disorders. The oligomers are also used for detecting cell type differentiation. ABC00010 -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073 represent the oligomers described in the invention. NOTE: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format from WIPO at ftp.wipo.int/pub/published_pct_sequences

XX SQ Sequence 12 BP; 9 A; 0 C; 1 G; 2 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 3.1e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1352 AAGAAAAAATATT 1363
Db 1 AAGAAAAAATATT 12

RESULT 498
ABH73027
ID ABH73027 standard; DNA; 12 BP.
XX AC ABH73027;
XX DT 22-FEB-2002 (first entry)
XX DE Oligonucleotide primer SEQ ID NO 273012 for detecting SNP TSC0003013.
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB0000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX DR WPI; 2001-657177/75.
XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is designed to detect single-nucleotide polymorphisms and cytosine methylation status.
XX PF 06-APR-2001; 2001WO-IB0000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX DR WPI; 2001-657177/75.
XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is designed to detect single-nucleotide polymorphisms and cytosine methylation status.
XX PS Claim 1; SEQ ID NO 273012; 29pp + Sequence Listing; German.
XX CC This invention describes novel oligonucleotide primers or peptide nucleic acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP) and cytosine methylation status in chemically pretreated genomic DNA. The oligonucleotides are used for diagnosis and/or prognosis of cancer and a range of diseases including immune system, gastrointestinal, respiratory, central nervous system, cardiovascular and metabolic disorders. The oligomers are also used for detecting cell type differentiation. ABC00010 -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073 represent the oligomers described in the invention. NOTE: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format from WIPO at ftp.wipo.int/pub/published_pct_sequences

XX SQ Sequence 12 BP; 7 A; 1 C; 0 G; 4 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 3.1e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1353 AGAAAAATATTC 1364
Db 1 ATAAAAATATTC 12

RESULT 499
ABI23764/c
ID ABI23764 standard; DNA; 12 BP.
XX AC ABI23764;
XX DT 22-FEB-2002 (first entry)
XX DE Oligonucleotide primer SEQ ID NO 323737 for detecting SNP TSC00031578.
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB0000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX DR WPI; 2001-657177/75.
XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is designed to detect single-nucleotide polymorphisms and cytosine methylation status.
XX PS Claim 1; SEQ ID NO 323737; 29pp + Sequence Listing; German.
XX CC This invention describes novel oligonucleotide primers or peptide nucleic acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP) and cytosine methylation status in chemically pretreated genomic DNA. The oligonucleotides are used for diagnosis and/or prognosis of cancer and a range of diseases including immune system, gastrointestinal, respiratory, central nervous system, cardiovascular and metabolic disorders. The oligomers are also used for detecting cell type differentiation. ABC00010 -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073 represent the oligomers described in the invention. NOTE: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format from WIPO at ftp.wipo.int/pub/published_pct_sequences

XX SQ Sequence 12 BP; 3 A; 6 C; 0 G; 3 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 3.1e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1449 AAGATGGGTTGA 1460
Db 12 AAGTGGGTTGA 1

RESULT 500

ABII13974/c
ID ABI13974 standard; DNA; 12 BP.
XX AC ABII13974;
XX DT 22-FEB-2002 (first entry)
XX DE Oligonucleotide primer SEQ ID NO 313947 for detecting SNP TSC0026044.
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX DR WPI; 2001-657177/75.
XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX PS Claim 1; SEQ ID NO 313947; 29pp + Sequence Listing; German.
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX SQ Sequence 12 BP; 3 A; 0 C; 1 G; 8 T; 0 U; 0 Other;
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX SQ Sequence 12 BP; 3 A; 0 C; 1 G; 8 T; 0 U; 0 Other;
Query Match 8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 3.1e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1352 AAGAAAAATATT 1363
Db 12 AACAAAAATATT 1
RESULT 501
ABI52613
ID ABI52613 standard; DNA; 12 BP.
XX AC ABI52613;
XX DT 22-FEB-2002 (first entry)
XX DE Oligonucleotide primer SEQ ID NO 352586 for detecting SNP TSC0007996.
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX PI Olek A, Piepenbrock C, Berlin K;

OS Homo sapiens.
XX WO200177384-A2.
XX 18-OCT-2001.
XX 06-APR-2001; 2001WO-IB000713.
XX 07-APR-2000; 2000DE-01019173.
XX (EPIG-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 352586; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX SQ Sequence 12 BP; 5 A; 0 C; 2 G; 5 T; 0 U; 0 Other;
Query Match 8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 3.1e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1403 AAAATTGTTAAT 1414
Db 1 AAAATTGTTGAT 12
RESULT 502
ABI58766/c
ID ABI58766 standard; DNA; 12 BP.
XX AC ABI58766;
XX DT 22-FEB-2002 (first entry)
XX DE Oligonucleotide primer SEQ ID NO 358739 for detecting SNP TSC0051274.
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX WO200177384-A2.
XX 18-OCT-2001.
XX 06-APR-2001; 2001WO-IB000713.
XX 07-APR-2000; 2000DE-01019173.
XX (EPIG-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;


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XX WPI; 2001-657177/75.
DR
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 358739; 29pp + Sequence Listing; German.
PS
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 4 A; 4 C; 0 G; 4 T; 0 U; 0 Other;

Query Match      8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 3.1e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1397 GGAGGTAATAATT 1408
Db 12 GGAGGTAATAATT 1

RESULT 503
ABI73336/c
ID ABI73336 standard; DNA; 12 BP.
XX
AC ABI73336;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 373309 for detecting SNP TSC0059967.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 373309; 29pp + Sequence Listing; German.
PS
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
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CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 0 A; 4 C; 0 G; 8 T; 0 U; 0 Other;

Query Match      8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 3.1e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1348 GGGGAAGAAAAA 1359
Db 12 GGAGAAGAAAAA 1

RESULT 504
ABI64784
ID ABI64784 standard; DNA; 12 BP.
XX
AC ABI64784;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 364757 for detecting SNP TSC0054698.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 364757; 29pp + Sequence Listing; German.
PS
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 6 A; 0 C; 2 G; 4 T; 0 U; 0 Other;

Query Match      8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 3.1e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 1; Gaps 12;
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Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1403 AAAATTGTTAAT 1414
||||| |||||
Db 1 AAAATGGTTAAT 12

RESULT 505
ABI65037
ID ABI65037 standard; DNA; 12 BP.
XX AC
XX ABI65037;
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 365010 for detecting SNP TSC0054867.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 365010 for detecting SNP TSC0054867.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 365010; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 2 A; 0 C; 5 G; 5 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 3.1e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1450 AGATGGTTGAT 1461
||||| |||||
Db 1 AGATGGTTGTT 12

RESULT 506
ABI18232/c
ID ABI18232 standard; DNA; 12 BP.
XX
AC ABI18232;
XX

DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 318205 for detecting SNP TSC0028516.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 318205; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 3 A; 2 C; 0 G; 7 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 3.1e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1352 AAGAAAAATATT 1363
||||| |||||
Db 12 AAGAAGATATT 1

RESULT 507
ABI18776
ID ABI18776 standard; DNA; 12 BP.
XX
AC ABI18776;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 318749 for detecting SNP TSC0028844.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.

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XX PF 06-APR-2001; 2001WO-IB0000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIC-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX DR WPI; 2001-657177/75.
XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX PS Claim 1; SEQ ID NO 318749; 29pp + Sequence Listing; German.
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX SQ Sequence 12 BP; 4 A; 0 C; 2 G; 6 T; 0 U; 0 Other;
XX Query Match 8.0%; Score 10.4; DB 1; Length 12;
XX Best Local Similarity 91.7%; Pred. No. 3.1e+02;
XX Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1405 AATTGTTAATGA 1416
Db 1 AATTGTTTATGA 12
RESULT 508
ABH69518
ID ABH69518 standard; DNA; 12 BP.
XX AC ABH69518;
XX DT 22-FEB-2002 (first entry)
XX DE Oligonucleotide primer SEQ ID NO 269495 for detecting SNP TSC0001782.
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB0000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIC-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX DR WPI; 2001-657177/75.
XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
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PT methylation status.
XX Claim 1; SEQ ID NO 269495; 29pp + Sequence Listing; German.
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX SQ Sequence 12 BP; 9 A; 0 C; 0 G; 3 T; 0 U; 0 Other;
XX Query Match 8.0%; Score 10.4; DB 1; Length 12;
XX Best Local Similarity 91.7%; Pred. No. 3.1e+02;
XX Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1352 AAGAAAAATATT 1363
Db 1 AAAAAAAATATT 12
RESULT 509
ABI20405
ID ABI20405 standard; DNA; 12 BP.
XX AC ABI20405;
XX DT 22-FEB-2002 (first entry)
XX DE Oligonucleotide primer SEQ ID NO 320378 for detecting SNP TSC0029677.
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB0000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIC-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX DR WPI; 2001-657177/75.
XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 320378; 29pp + Sequence Listing; German.
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX SQ Sequence 12 BP; 9 A; 0 C; 0 G; 3 T; 0 U; 0 Other;
```

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CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 8 A; 0 C; 4 G; 0 T; 0 U; 0 Other;
Query Match 8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 3.1e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1348 GGGGAAGAAAAA 1359
Db 1 GGGGAAGAAAAA 12
RESULT 510
ABH73642/c
ID ABH73642 standard; DNA; 12 BP.
XX
AC ABH73642;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 273627 for detecting SNP TSC00003251.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 273627; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 4 A; 3 C; 0 G; 5 T; 0 U; 0 Other;
Query Match 8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 3.1e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1401 GTAAAATTGTTA 1412
Db 12 GTAAAATTGTTA 1
```

```
RESULT 511
ABH75620/c
ID ABH75620 standard; DNA; 12 BP.
XX
AC ABH75620;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 275611 for detecting SNP TSC0003943.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 275611; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 3 A; 0 C; 0 G; 9 T; 0 U; 0 Other;
Query Match 8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 3.1e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1352 AAGAAAAATATT 1363
Db 12 AAGAAAAATATT 1
RESULT 512
ABH101272/c
ID ABH101272 standard; DNA; 12 BP.
XX
AC ABH101272;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 301245 for detecting SNP TSC0019422.
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
```


KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
OS Homo sapiens.
XX WO200177384-A2.
PN 18-OCT-2001.
XX 06-APR-2001; 2001WO-IB000713.
PF 07-APR-2000; 2000DE-01019173.
XX (EPIG-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
PI WPI; 2001-657177/75.
DR Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
PT Claim 1; SEQ ID NO 301245; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX Sequence 12 BP; 4 A; 1 C; 0 G; 7 T; 0 U; 0 Other;
SQ Query Match 8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 3.1e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1352 AAGAAAAATATT 1363
Db 12 AAGATAATATT 1
RESULT 513
ABI03056
ID ABI03056 standard; DNA; 12 BP.
XX AC ABI03056;
XX DT 22-FEB-2002 (first entry)
XX Oligonucleotide primer SEQ ID NO 303029 for detecting SNP TSC0020284.
DE SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX Homo sapiens.
OS WO200177384-A2.
XX 18-OCT-2001.
XX 06-APR-2001; 2001WO-IB000713.
XX 07-APR-2000; 2000DE-01019173.
XX This invention describes novel oligonucleotide primers or peptide nucleic
acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
and cytosine methylation status in chemically pretreated genomic DNA. The
oligonucleotides are used for diagnosis and/or prognosis of cancer and a
range of diseases including immune system, gastrointestinal, respiratory,
central nervous system, cardiovascular and metabolic disorders. The
oligomers are also used for detecting cell type differentiation. ABC00010
-ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
represent the oligomers described in the invention. NOTE: The sequence
data for this patent did not form part of the printed specification, but
was obtained in electronic format from WIPO at
ftp.wipo.int/pub/published_pct_sequences
Sequence 12 BP; 4 A; 1 C; 0 G; 7 T; 0 U; 0 Other;
Query Match 8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 3.1e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1352 AAGAAAAATATT 1363
Db 12 AAGATAATATT 1
RESULT 513
ABI03056
ID ABI03056 standard; DNA; 12 BP.
XX AC ABI03056;
XX DT 22-FEB-2002 (first entry)
XX Oligonucleotide primer SEQ ID NO 303029 for detecting SNP TSC0020284.
DE SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX Homo sapiens.
OS WO200177384-A2.
XX 18-OCT-2001.
XX 06-APR-2001; 2001WO-IB000713.
XX 07-APR-2000; 2000DE-01019173.
XX This invention describes novel oligonucleotide primers or peptide nucleic

PA (EPIG-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
PI WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 303029; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX Sequence 12 BP; 6 A; 2 C; 0 G; 4 T; 0 U; 0 Other;
SQ Query Match 8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 3.1e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1355 AAAATATTCCA 1366
Db 1 AAAATATTCCA 12
RESULT 514
ABI09032/C
ID ABI09032 standard; DNA; 12 BP.
XX AC ABI09032;
XX DT 22-FEB-2002 (first entry)
XX Oligonucleotide primer SEQ ID NO 309005 for detecting SNP TSC0023317.
DE SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX Homo sapiens.
OS WO200177384-A2.
XX 18-OCT-2001.
XX 06-APR-2001; 2001WO-IB000713.
XX 07-APR-2000; 2000DE-01019173.
XX (EPIG-) EPIGENOMICS AG.
PI Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 309005; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic

CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF0010-ABF99989, ABH0010-ABH99989 and ABI0010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 2 A; 0 C; 2 G; 8 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 3.1e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1355 AAAAATATTCCA 1366
Db 12 AAAAATATACCA 1

RESULT 515
ABI13624

ID ABI13624 standard; DNA; 12 BP.

XX
AC ABI13624;

XX
DT 22-FEB-2002 (first entry)

XX
DE Oligonucleotide primer SEQ ID NO 313597 for detecting SNP TSC0025857.

XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX
OS Homo sapiens.

XX
PN WO200177384-A2.

XX
PD 18-OCT-2001.

XX
PF 06-APR-2001; 2001WO-IB000713.

XX
PR 07-APR-2000; 2000DE-01019173.

XX
PA (EPIG-) EPIGENOMICS AG.

XX
PI Olek A, Piepenbrock C, Berlin K;

XX
DR WPI; 2001-657177/75.

XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.

XX
PS Claim 1; SEQ ID NO 313597; 29pp + Sequence Listing; German.

XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF0010-ABF99989, ABH0010-ABH99989 and ABI0010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX

SQ Sequence 12 BP; 6 A; 2 C; 0 G; 4 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 3.1e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1356 AAAATATTCCAC 1367
Db 1 AAAATATTCTAC 12

RESULT 516
ABH89077/C

ID ABH89077 standard; DNA; 12 BP.

XX
AC ABH89077;

XX
DT 22-FEB-2002 (first entry)

XX
DE Oligonucleotide primer SEQ ID NO 289070 for detecting SNP TSC0013790.

XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX
OS Homo sapiens.

XX
PN WO200177384-A2.

XX
PD 18-OCT-2001.

XX
PF 06-APR-2001; 2001WO-IB000713.

XX
PR 07-APR-2000; 2000DE-01019173.

XX
PA (EPIG-) EPIGENOMICS AG.

XX
PI Olek A, Piepenbrock C, Berlin K;

XX
DR WPI; 2001-657177/75.

XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.

XX
PS Claim 1; SEQ ID NO 289070; 29pp + Sequence Listing; German.

XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF0010-ABF99989, ABH0010-ABH99989 and ABI0010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX

SQ Sequence 12 BP; 7 A; 2 C; 0 G; 3 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 3.1e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1407 TTGTTAATGATG 1418
Db 12 TTGTTAATTATG 1

RESULT 517
ABI47818

ID ABI47818 standard; DNA; 12 BP.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 363916; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 0 A; 6 C; 0 G; 6 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 3.1e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1347 AGGGGAGAGAAA 1358
Db 12 AGGGGAGAGAAA 1

RESULT 520
ABH96522
ID ABH96522 standard; DNA; 12 BP.
XX
AC ABH96522;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 296515 for detecting SNP TSC0017118.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB0000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 296515; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The

CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 5 A; 0 C; 3 G; 4 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 3.1e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1401 GTAAATGTTA 1412
Db 1 GTAAATGTTA 12

RESULT 521
ABH73290/c
ID ABH73290 standard; DNA; 12 BP.
XX
AC ABH73290;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 273275 for detecting SNP TSC0003123.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB0000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 273275; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 6 A; 0 C; 0 G; 6 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 3.1e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;


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QY      1402 TAAAAATTGTTAA 1413
Db      12 TAAAAATTTTAA 1

RESULT 522
ABI28786/c
ID      ABI28786 standard; DNA; 12 BP.
XX
AC      ABI28786;
XX
DT      22-FEB-2002 (first entry)
XX
DE      Oligonucleotide primer SEQ ID NO 328759 for detecting SNP TSC0034536.
XX
KW      SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW      peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW      central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS      Homo sapiens.
XX
PN      WO200177384-A2.
XX
DT      18-OCT-2001.
XX
DE      06-APR-2001; 2001WO-IB000713.
XX
KW      SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW      peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW      central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS      Homo sapiens.
XX
PN      WO200177384-A2.
XX
PD      18-OCT-2001.
XX
PF      06-APR-2001; 2001WO-IB000713.
XX
PR      07-APR-2000; 2000DE-01019173.
XX
PA      (EPIG-) EPIGENOMICS AG.
XX
PI      Olek A, Piepenbrock C, Berlin K;
XX
DR      WPI; 2001-657177/75.
XX
PT      Set of oligonucleotides, useful for diagnosis and cell typing, is
PT      designed to detect single-nucleotide polymorphisms and cytosine
PT      methylation status.
XX
PS      Claim 1; SEQ ID NO 328759; 29pp + Sequence Listing; German.
XX
CC      This invention describes novel oligonucleotide primers or peptide nucleic
CC      acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC      and cytosine methylation status in chemically pretreated genomic DNA. The
CC      oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC      range of diseases including immune system, gastrointestinal, respiratory,
CC      central nervous system, cardiovascular and metabolic disorders. The
CC      oligomers are also used for detecting cell type differentiation. ABC00010
CC      -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC      represent the oligomers described in the invention. NOTE: The sequence
CC      data for this patent did not form part of the printed specification, but
CC      ftp.wipo.int/pub/published_pct_sequences
XX
SQ      Sequence 12 BP; 4 A; 0 C; 0 G; 8 T; 0 U; 0 Other;

Query Match      8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 3.1e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      1352 AAGAAAAATATT 1363
Db      12 AATAAAAAATATT 1

RESULT 523
ABH90761
ID      ABH90761 standard; DNA; 12 BP.
XX
AC      ABH90761;
XX
DT      22-FEB-2002 (first entry)
XX
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```
DE      Oligonucleotide primer SEQ ID NO 290754 for detecting SNP TSC0014500.
XX
KW      SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW      peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW      central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS      Homo sapiens.
XX
PN      WO200177384-A2.
XX
PD      18-OCT-2001.
XX
PF      06-APR-2001; 2001WO-IB000713.
XX
PR      07-APR-2000; 2000DE-01019173.
XX
PA      (EPIG-) EPIGENOMICS AG.
XX
PI      Olek A, Piepenbrock C, Berlin K;
XX
DR      WPI; 2001-657177/75.
XX
PT      Set of oligonucleotides, useful for diagnosis and cell typing, is
PT      designed to detect single-nucleotide polymorphisms and cytosine
PT      methylation status.
XX
PS      Claim 1; SEQ ID NO 290754; 29pp + Sequence Listing; German.
XX
CC      This invention describes novel oligonucleotide primers or peptide nucleic
CC      acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC      and cytosine methylation status in chemically pretreated genomic DNA. The
CC      oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC      range of diseases including immune system, gastrointestinal, respiratory,
CC      central nervous system, cardiovascular and metabolic disorders. The
CC      oligomers are also used for detecting cell type differentiation. ABC00010
CC      -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC      represent the oligomers described in the invention. NOTE: The sequence
CC      data for this patent did not form part of the printed specification, but
CC      ftp.wipo.int/pub/published_pct_sequences
XX
SQ      Sequence 12 BP; 7 A; 3 C; 0 G; 2 T; 0 U; 0 Other;

Query Match      8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 3.1e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      1355 AAAAAATATTTCCA 1366
Db      1 AAAAAATACTCCA 12

RESULT 524
ABI61920/c
ID      ABI61920 standard; DNA; 12 BP.
XX
AC      ABI61920;
XX
DT      22-FEB-2002 (first entry)
XX
DE      Oligonucleotide primer SEQ ID NO 361893 for detecting SNP TSC0052937.
XX
KW      SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW      peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW      central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS      Homo sapiens.
XX
PN      WO200177384-A2.
XX
PD      18-OCT-2001.
XX
PF      06-APR-2001; 2001WO-IB000713.
```

```
XX PR 07-APR-2000; 2000DE-01019173.
XX (EPIG-) EPIGENOMICS AG.
XX PA Olek A, Piepenbrock C, Berlin K;
XX PI WPI; 2001-657177/75.
XX DR
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 361893; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 7 A; 2 C; 0 G; 3 T; 0 U; 0 Other;
Query Match 8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 3.1e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1406 ATTGTTAATGAT 1417
DB 12 ATTGTTAATGAT 1

RESULT 525
ABH93286
ID ABH93286 standard; DNA; 12 BP.
AC ABH93286;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 293279 for detecting SNP TSC0015564.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
DE Oligonucleotide primer SEQ ID NO 293279 for detecting SNP TSC0015564.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB0000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
```

```
PS Claim 1; SEQ ID NO 293279; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 2 A; 2 C; 4 G; 4 T; 0 U; 0 Other;
Query Match 8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 3.1e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1376 AGCGATCGTCTT 1387
DB 1 AGCGATCGTGT 12

RESULT 526
ABH19369/c
ID ABH19369 standard; DNA; 12 BP.
XX
AC ABH19369;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 319342 for detecting SNP TSC0029171.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB0000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 319342; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
```

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CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 2 A; 3 C; 0 G; 7 T; 0 U; 0 Other;

  Query Match      8.0%; Score 10.4; DB 1; Length 12;
  Best Local Similarity 91.7%; Pred. No. 3.1e+02;
  Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1350 GGAAGAAAAATA 1361
Db 12 GGAAGATAAATA 1

RESULT 527
ABH98914/c
ID ABH98914 standard; DNA; 12 BP.
XX
AC ABH98914;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 298907 for detecting SNP TSC0018340.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
AC ABH98914;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 298907 for detecting SNP TSC0018340.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB0000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 298907; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 3 A; 0 C; 1 G; 8 T; 0 U; 0 Other;

  Query Match      8.0%; Score 10.4; DB 1; Length 12;
  Best Local Similarity 91.7%; Pred. No. 3.1e+02;
  Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1353 AAAAAAATATTC 1364
Db 12 AAAAAAATATTC 1

RESULT 529
ABH10384/c
ID ABH10384 standard; DNA; 12 BP.
XX
AC ABH10384;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 310357 for detecting SNP TSC0023938.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX

RESULT 528
ABI33944/c
ID ABI33944 standard; DNA; 12 BP.
XX
AC ABI33944;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 333917 for detecting SNP TSC0037828.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB0000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 333917; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 6 A; 1 C; 0 G; 5 T; 0 U; 0 Other;

  Query Match      8.0%; Score 10.4; DB 1; Length 12;
  Best Local Similarity 91.7%; Pred. No. 3.1e+02;
  Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1402 TAAATTTGTTAA 1413
Db 12 TATAATTGTTAA 1

RESULT 529
ABI10384/c
ID ABI10384 standard; DNA; 12 BP.
XX
AC ABI10384;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 310357 for detecting SNP TSC0023938.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
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XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB0000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
PI Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 310357; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX SQ Sequence 12 BP; 5 A; 3 C; 0 G; 4 T; 0 U; 0 Other;
Query Match 8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 3.1e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1404 AAATTGTTAATG 1415
Db |||||
12 AAATTGTTAGTG 1
RESULT 530
ABH86094
ID ABH86094 standard; DNA; 12 BP.
AC ABH86094;
XX 22-FEB-2002 (first entry)
DT Oligonucleotide primer SEQ ID NO 286087 for detecting SNP TSC0012571.
DE SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
OS Homo sapiens.
XX WO200177384-A2.
XX 18-OCT-2001.
XX 06-APR-2001; 2001WO-IB0000713.
XX 07-APR-2000; 2000DE-01019173.
XX (EPIG-) EPIGENOMICS AG.
```

```
PI Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 286087; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX SQ Sequence 12 BP; 4 A; 0 C; 5 G; 3 T; 0 U; 0 Other;
Query Match 8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 3.1e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1447 GGAAGATGGGTT 1458
Db |||||
1 GAAAGATGGGTT 12
RESULT 531
ABI17053
ID ABI17053 standard; DNA; 12 BP.
XX AC ABI17053;
XX 22-FEB-2002 (first entry)
DT Oligonucleotide primer SEQ ID NO 317026 for detecting SNP TSC0027768.
DE SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
OS Homo sapiens.
XX WO200177384-A2.
XX 18-OCT-2001.
XX 06-APR-2001; 2001WO-IB0000713.
XX 07-APR-2000; 2000DE-01019173.
XX (EPIG-) EPIGENOMICS AG.
PI Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 317026; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
```


CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX

SQ Sequence 12 BP; 7 A; 0 C; 2 G; 3 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 3.1e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1352 AAGAAAAATATT 1363
Db 1 AAGGAAATATT 12

RESULT 532
ABI60800/c
ID ABI60800 standard; DNA; 12 BP.

XX

AC ABI60800;

XX 22-FEB-2002 (first entry)

DE Oligonucleotide primer SEQ ID NO 360773 for detecting SNP TSC0052285.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;

XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;

XX central nervous system; gastrointestinal; respiratory; immune; metabolic.

OS Homo sapiens.

XX WO200177384-A2.

XX 18-OCT-2001.

PF 06-APR-2001; 2001WO-IB000713.

XX 07-APR-2000; 2000DE-01019173.

XX (EPIG-) EPIGENOMICS AG.

PI Olek A, Piepenbrock C, Berlin K;

XX WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is

PT designed to detect single-nucleotide polymorphisms and cytosine

PT methylation status.

XX Claim 1; SEQ ID NO 360773; 29pp + Sequence Listing; German.

CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX

SQ Sequence 12 BP; 4 A; 0 C; 2 G; 6 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 12;

Best Local Similarity 91.7%; Pred. No. 3.1e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1356 AAAATATTCCAC 1367
Db 12 AAAATATTTCAC 1

RESULT 533
ABI66958/c
ID ABI66958 standard; DNA; 12 BP.

XX

AC ABI66958;

XX 22-FEB-2002 (first entry)

DE Oligonucleotide primer SEQ ID NO 366931 for detecting SNP TSC0056060.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX Homo sapiens.

XX WO200177384-A2.

XX 18-OCT-2001.

PF 06-APR-2001; 2001WO-IB000713.

XX 07-APR-2000; 2000DE-01019173.

XX (EPIG-) EPIGENOMICS AG.

PI Olek A, Piepenbrock C, Berlin K;

XX WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.

XX Claim 1; SEQ ID NO 366931; 29pp + Sequence Listing; German.

CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX

SQ Sequence 12 BP; 3 A; 0 C; 3 G; 6 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 3.1e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1435 AGACATATACAT 1446
Db 12 ACACATATACAT 1

RESULT 534
ABH98347
ID ABH98347 standard; DNA; 12 BP.

XX

AC ABH98347;

PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 306244; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 5 A; 3 C; 0 G; 4 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 3.1e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1356 AAAATATTCCAC 1367
Db 1 AAAATTTTCCAC 12

RESULT 537
ABH82783
ID ABH82783 standard; DNA; 12 BP.
XX
AC ABH82783;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 282776 for detecting SNP TSC0010988.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF Oligonucleotide primer SEQ ID NO 282776 for detecting SNP TSC0010988.
XX
PR SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 282776; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX

CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 7 A; 0 C; 0 G; 5 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 3.1e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1402 TAAATTTGTTAA 1413
Db 1 TAAATTTATTAA 12

RESULT 538
ABI36243
ID ABI36243 standard; DNA; 12 BP.
XX
AC ABI36243;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 336216 for detecting SNP TSC0039252.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 336216; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 7 A; 3 C; 0 G; 2 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 3.1e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1355 AAAATATTCCA 1366
|||||

```
Db      1 AAAAAATATCCCA 12
RESULT 539
ABI49459
ID      ABI49459 standard; DNA; 12 BP.
XX
AC      ABI49459;
XX
DT      22-FEB-2002 (first entry)
XX
DE      Oligonucleotide primer SEQ ID NO 349432 for detecting SNP TSC00046139.
XX
KW      SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW      peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW      central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS      Homo sapiens.
XX
PN      WO200177384-A2.
XX
PD      18-OCT-2001.
XX
PF      06-APR-2001; 2001WO-IB000713.
XX
PR      07-APR-2000; 2000DE-01019173.
XX
PA      (EPIG-) EPIGENOMICS AG.
XX
PI      Olek A, Piepenbrock C, Berlin K;
DR      WPI; 2001-657177/75.
XX
PT      Set of oligonucleotides, useful for diagnosis and cell typing, is
PT      designed to detect single-nucleotide polymorphisms and cytosine
PT      methylation status.
XX
PS      Claim 1; SEQ ID NO 349432; 29pp + Sequence Listing; German.
XX
CC      This invention describes novel oligonucleotide primers or peptide nucleic
CC      acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC      and cytosine methylation status in chemically pretreated genomic DNA. The
CC      oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC      range of diseases including immune system, gastrointestinal, respiratory,
CC      central nervous system, cardiovascular and metabolic disorders. The
CC      oligomers are also used for detecting cell type differentiation. ABC00010
CC      -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC      represent the oligomers described in the invention. NOTE: The sequence
CC      data for this patent did not form part of the printed specification, but
CC      was obtained in electronic format from WIPO at
CC      ftp.wipo.int/pub/published_pct_sequences
XX
SQ      Sequence 12 BP; 7 A; 3 C; 0 G; 2 T; 0 U; 0 Other;
XX
Query Match      8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 3.1e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      1460 ATCAAGCAAATA 1471
Db      1 ATCAACCAAATA 12
|||||
|||||

RESULT 540
ABI55515
ID      ABI55515 standard; DNA; 12 BP.
XX
AC      ABI55515;
XX
DT      22-FEB-2002 (first entry)
XX
DE      Oligonucleotide primer SEQ ID NO 355488 for detecting SNP TSC0049665.
XX

Query Match      8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 3.1e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      1460 ATCAAGCAAATA 1471
Db      1 ATCAACCAAATA 12
|||||
|||||

RESULT 541
ABI58639
ID      ABI58639 standard; DNA; 12 BP.
XX
AC      ABI58639;
XX
DT      22-FEB-2002 (first entry)
XX
DE      Oligonucleotide primer SEQ ID NO 358612 for detecting SNP TSC0006594.
XX
KW      SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW      peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW      central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS      Homo sapiens.
XX
PN      WO200177384-A2.
XX
PD      18-OCT-2001.
XX
PF      06-APR-2001; 2001WO-IB000713.
XX
PR      07-APR-2000; 2000DE-01019173.
```

```
KW      SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW      peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW      central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS      Homo sapiens.
XX
PN      WO200177384-A2.
XX
PD      18-OCT-2001.
XX
PF      06-APR-2001; 2001WO-IB000713.
XX
PR      07-APR-2000; 2000DE-01019173.
XX
PA      (EPIG-) EPIGENOMICS AG.
XX
PI      Olek A, Piepenbrock C, Berlin K;
DR      WPI; 2001-657177/75.
XX
PT      Set of oligonucleotides, useful for diagnosis and cell typing, is
PT      designed to detect single-nucleotide polymorphisms and cytosine
PT      methylation status.
XX
PS      Claim 1; SEQ ID NO 355488; 29pp + Sequence Listing; German.
XX
CC      This invention describes novel oligonucleotide primers or peptide nucleic
CC      acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC      and cytosine methylation status in chemically pretreated genomic DNA. The
CC      oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC      range of diseases including immune system, gastrointestinal, respiratory,
CC      central nervous system, cardiovascular and metabolic disorders. The
CC      oligomers are also used for detecting cell type differentiation. ABC00010
CC      -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC      represent the oligomers described in the invention. NOTE: The sequence
CC      data for this patent did not form part of the printed specification, but
CC      was obtained in electronic format from WIPO at
CC      ftp.wipo.int/pub/published_pct_sequences
XX
SQ      Sequence 12 BP; 3 A; 0 C; 2 G; 7 T; 0 U; 0 Other;
XX
Query Match      8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 3.1e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      1407 TTGTTAATGATG 1418
Db      1 TTTTAAATGATG 12
|||||
|||||

RESULT 541
ABI58639
ID      ABI58639 standard; DNA; 12 BP.
XX
AC      ABI58639;
XX
DT      22-FEB-2002 (first entry)
XX
DE      Oligonucleotide primer SEQ ID NO 358612 for detecting SNP TSC0006594.
XX
KW      SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW      peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW      central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS      Homo sapiens.
XX
PN      WO200177384-A2.
XX
PD      18-OCT-2001.
XX
PF      06-APR-2001; 2001WO-IB000713.
XX
PR      07-APR-2000; 2000DE-01019173.
```


XX (EPIG-) EPIGENOMICS AG.
PA Olek A, Piepenbrock C, Berlin K;
PI WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
DR designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
PT Claim 1; SEQ ID NO 358612; 29pp + Sequence Listing; German.
PS
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 4 A; 1 C; 3 G; 4 T; 0 U; 0 Other;
Query Match 8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 3.1e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1408 TGTTAATGATGA 1419
DB 1 TGTTAACGATGA 12
RESULT 542
ABI28818
ID ABI28818 standard; DNA; 12 BP.
XX
AC ABI28818;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 328791 for detecting SNP TSC0034566.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 328791 for detecting SNP TSC0034566.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB0000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 328791; 29pp + Sequence Listing; German.
XX

CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 7 A; 3 C; 0 G; 2 T; 0 U; 0 Other;
Query Match 8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 3.1e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1356 AAAATATTCCAC 1367
DB 1 AAAATAATCCAC 12
RESULT 543
ABI29487/C
ID ABI29487 standard; DNA; 12 BP.
XX
AC ABI29487;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 329460 for detecting SNP TSC0034954.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB0000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 329460; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX

CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences

XX SQ Sequence 12 BP; 8 A; 1 C; 0 G; 3 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 3.1e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1355 AAAAATATTCCA 1366
Db 1 AAAAATATTCAA 12

RESULT 549
ABI58629/c

ID ABI58629 standard; DNA; 12 BP.

AC ABI58629;

XX 22-FEB-2002 (first entry)

DE Oligonucleotide primer SEQ ID NO 358602 for detecting SNP TSC0051203.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

OS Homo sapiens.

XX WO200177384-A2.

PN 18-OCT-2001.

XX 06-APR-2001; 2001WO-IB0000713.

XX 07-APR-2000; 2000DE-01019173.

PA (EPIG-) EPIGENOMICS AG.

PI Olek A, Piepenbrock C, Berlin K;

XX WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.

XX Claim 1; SEQ ID NO 358602; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences

XX SQ Sequence 12 BP; 4 A; 0 C; 1 G; 7 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 3.1e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1355 AAAAATATTCCA 1366
Db 12 AAAAATATTCTA 1

RESULT 550
ABH92743

ID ABH92743 standard; DNA; 12 BP.

AC ABH92743;

XX 22-FEB-2002 (first entry)

DE Oligonucleotide primer SEQ ID NO 292736 for detecting SNP TSC0015327.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX Homo sapiens.

XX WO200177384-A2.

XX 18-OCT-2001.

XX 06-APR-2001; 2001WO-IB0000713.

XX 07-APR-2000; 2000DE-01019173.

PA (EPIG-) EPIGENOMICS AG.

PI Olek A, Piepenbrock C, Berlin K;

XX WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.

XX Claim 1; SEQ ID NO 292736; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences

XX SQ Sequence 12 BP; 8 A; 0 C; 3 G; 1 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 3.1e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1394 AAAGGAGGTAAA 1405
Db 1 AAAGAAGGTAAA 12

RESULT 551
ABH78008

ID ABH78008 standard; DNA; 12 BP.

AC ABH78008;

XX 22-FEB-2002 (first entry)

XX DE Oligonucleotide primer SEQ ID NO 278001 for detecting SNP TSC0005468.
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB0000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX DR WPI; 2001-657177/75.
XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX PS Claim 1; SEQ ID NO 278001; 29pp + Sequence Listing; German.
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX SQ Sequence 12 BP; 8 A; 0 C; 0 G; 4 T; 0 U; 0 Other;
Query Match 8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 3.1e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1352 AAGAAAAAATATT 1363
Db 1 AATAAAAAATATT 12
RESULT 552
ABI05936
ID ABI05936 standard; DNA; 12 BP.
XX AC ABI05936;
XX DT 22-FEB-2002 (first entry)
XX DE Oligonucleotide primer SEQ ID NO 305909 for detecting SNP TSC0021696.
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX

PF 06-APR-2001; 2001WO-IB0000713.
XX 07-APR-2000; 2000DE-01019173.
XX (EPIG-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX Claim 1; SEQ ID NO 305909; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX SQ Sequence 12 BP; 6 A; 0 C; 0 G; 6 T; 0 U; 0 Other;
Query Match 8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 3.1e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1402 TAAAAATTGTTAA 1413
Db 1 TAAAAATTTTAA 12
RESULT 553
ABI39001
ID ABI39001 standard; DNA; 12 BP.
XX AC ABI39001;
XX DT 22-FEB-2002 (first entry)
XX DE Oligonucleotide primer SEQ ID NO 338974 for detecting SNP TSC0040769.
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB0000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX DR WPI; 2001-657177/75.
XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.

XX PS CC Claim 1; SEQ ID NO 338974; 29pp + Sequence Listing; German.

XX CC This invention describes novel oligonucleotide primers or peptide nucleic acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP) and cytosine methylation status in chemically pretreated genomic DNA. The oligonucleotides are used for diagnosis and/or prognosis of cancer and a range of diseases including immune system, gastrointestinal, respiratory, central nervous system, cardiovascular and metabolic disorders. The oligomers are also used for detecting cell type differentiation. ABC00010 -ABC9989, ABF0010-ABF9989, ABH0010-ABH9989 and ABI0010-ABI82073 represent the oligomers described in the invention. NOTE: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format from WIPO at ftp.wipo.int/pub/published_pct_sequences

XX SQ Sequence 12 BP; 4 A; 0 C; 3 G; 5 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 3.1e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1399 AGGTAAATTTGT 1410
||||| |||||
Db 1 AGGTATAATTGT 12

RESULT 554
AAV52629
ID AAV52629 standard; DNA; 13 BP.

XX AC AAV52629;

XX DT 21-DEC-1998 (first entry)

XX DE Hepatocyte nuclear factor 1 alpha DNA binding site consensus.

XX KW Hepatocyte nuclear factor 1 alpha; HNF-1 alpha; MODY3; human;

XX KW transcription factor; maturity onset diabetes of the young; diabetes; NIDDM; diagnosis; therapy; ss.

XX OS Homo sapiens.

XX PN WO9811254-A1.

XX PD 19-MAR-1998.

XX PF 10-SEP-1997; 97WO-US016037.

XX PR 10-SEP-1996; 96US-0025719P.

XX PR 02-OCT-1996; 96US-0028056P.

XX PR 30-OCT-1996; 96US-0029679P.

XX PA (ARCH-) ARCH DEV CORP.

XX PI Bell GI, Yamagata K, Oda N, Kaisaki PJ, Furuta H, Menzel S;
PI Horikawa Y;

XX DR WPI; 1998-271667/24.

XX PT Isolated nucleic acid encoding hepatocyte nuclear factor 1-alpha and 1-beta - useful for detecting susceptibility for non-insulin dependent diabetes, especially maturity-onset diabetes of the young.

XX PS Disclosure; Page 18; 363pp; English.

XX CC This is a consensus sequence for a 13 bp palindromic DNA sequence that is found in hepatocyte nuclear factor 1-alpha (HNF-1 alpha) binding protein gene promoters and which binds to the DNA binding domain, i.e. a POU-like homeodomain, of HNF-1 alpha (see AAW71559). This consensus sequence can be used in methods of identifying modulators of HNF-1 alpha function. The invention concerns the identification of genes responsible for non-insulin dependent diabetes mellitus (NIDDM) for use in diagnostics and

CC therapeutics. It demonstrates that the MODY3 locus is the HNF-1 alpha gene, the MODY4 locus is the HNF-1 beta gene (see AAV52730) and the MODY1 locus is the HNF-4 alpha gene (see AAV52687). Analysis of mutations in these HNF genes can be diagnostic for diabetes. The invention also contemplates methods of screening for modulators of HNF function, the modulators being useful for treating diabetes by modulating HNF function in an animal

XX SQ Sequence 13 BP; 4 A; 2 C; 1 G; 5 T; 0 U; 1 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1409 GTTAATGATGACC 1421
||||| |||||
Db 1 GTTAATNATTACC 13

RESULT 555
ABC42352/c
ID ABC42352 standard; DNA; 13 BP.

XX AC ABC42352;

XX DT 21-FEB-2002 (first entry)

XX DE Oligonucleotide SEQ ID NO 42369 for detecting SNP TSC0012640.

XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS; peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss; central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX OS Homo sapiens.

XX PN WO200177384-A2.

XX PD 18-OCT-2001.

XX PF 06-APR-2001; 2001WO-IB0000713.

XX PR 07-APR-2000; 2000DE-01019173.

XX PA (EPIG-) EPIGENOMICS AG.

XX PI Olek A, Piepenbrock C, Berlin K;

XX DR WPI; 2001-657177/75.

XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is designed to detect single-nucleotide polymorphisms and cytosine methylation status.

XX PS Claim 1; SEQ ID NO 42369; 29pp + Sequence Listing; German.

XX CC This invention describes novel oligonucleotide primers or peptide nucleic acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP) and cytosine methylation status in chemically pretreated genomic DNA. The oligonucleotides are used for diagnosis and/or prognosis of cancer and a range of diseases including immune system, gastrointestinal, respiratory, central nervous system, cardiovascular and metabolic disorders. The oligomers are also used for detecting cell type differentiation. ABC00010 -ABC9989, ABF0010-ABF9989, ABH0010-ABH9989 and ABI0010-ABI82073 represent the oligomers described in the invention. NOTE: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format from WIPO at ftp.wipo.int/pub/published_pct_sequences

XX SQ Sequence 13 BP; 5 A; 0 C; 3 G; 5 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

```
QY      1385 CTTCTGATCAAA 1396
      ||||| |||||
Db      12 CTTCTTATCAAA 1
      ||||| |||||

RESULT 556
ABC48904
ID      ABC48904 standard; DNA; 13 BP.
XX
AC      ABC48904;
XX
DT      21-FEB-2002 (first entry)
XX
DE      Oligonucleotide SEQ ID NO 48921 for detecting SNP TSC0013887.
XX
KW      SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW      peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW      central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS      Homo sapiens.
XX
PN      WO200177384-A2.
XX
PD      18-OCT-2001.
XX
PF      06-APR-2001; 2001WO-IB000713.
XX
PR      07-APR-2000; 2000DE-01019173.
XX
PA      (EPIG-) EPIGENOMICS AG.
XX
PI      Olek A, Piepenbrock C, Berlin K;
XX
DR      WPI; 2001-657177/75.
XX
PT      Set of oligonucleotides, useful for diagnosis and cell typing, is
PT      designed to detect single-nucleotide polymorphisms and cytosine
PT      methylation status.
XX
PS      Claim 1; SEQ ID NO 48921; 29pp + Sequence Listing; German.
XX
CC      This invention describes novel oligonucleotide primers or peptide nucleic
CC      acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC      and cytosine methylation status in chemically pretreated genomic DNA. The
CC      oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC      range of diseases including immune system, gastrointestinal, respiratory,
CC      central nervous system, cardiovascular and metabolic disorders. The
CC      oligomers are also used for detecting cell type differentiation. ABC00010
CC      -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC      represent the oligomers described in the invention. NOTE: The sequence
CC      data for this patent did not form part of the printed specification, but
CC      was obtained in electronic format from WIPO at
CC      ftp.wipo.int/pub/published_pct_sequences
XX
SQ      Sequence 13 BP; 6 A; 0 C; 1 G; 6 T; 0 U; 0 Other;

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      1403 AAAATTGTTAAT 1414
      ||| |||||
Db      1 AAAATTGTTAAT 12
      ||| |||||

RESULT 557
ABC75270
ID      ABC75270 standard; DNA; 13 BP.
XX
AC      ABC75270;
XX
DT      21-FEB-2002 (first entry)
XX
```

```
XX
DE      Oligonucleotide SEQ ID NO 75287 for detecting SNP TSC0019324.
XX
KW      SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW      peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW      central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS      Homo sapiens.
XX
PN      WO200177384-A2.
XX
PD      18-OCT-2001.
XX
PF      06-APR-2001; 2001WO-IB000713.
XX
PR      07-APR-2000; 2000DE-01019173.
XX
PA      (EPIG-) EPIGENOMICS AG.
XX
PI      Olek A, Piepenbrock C, Berlin K;
XX
DR      WPI; 2001-657177/75.
XX
PT      Set of oligonucleotides, useful for diagnosis and cell typing, is
PT      designed to detect single-nucleotide polymorphisms and cytosine
PT      methylation status.
XX
PS      Claim 1; SEQ ID NO 75287; 29pp + Sequence Listing; German.
XX
CC      This invention describes novel oligonucleotide primers or peptide nucleic
CC      acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC      and cytosine methylation status in chemically pretreated genomic DNA. The
CC      oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC      range of diseases including immune system, gastrointestinal, respiratory,
CC      central nervous system, cardiovascular and metabolic disorders. The
CC      oligomers are also used for detecting cell type differentiation. ABC00010
CC      -ABC99989, ABF00010-ABF9989, ABH00010-ABH99989 and ABI00010-ABI82073
CC      represent the oligomers described in the invention. NOTE: The sequence
CC      data for this patent did not form part of the printed specification, but
CC      was obtained in electronic format from WIPO at
CC      ftp.wipo.int/pub/published_pct_sequences
XX
SQ      Sequence 13 BP; 8 A; 0 C; 4 G; 1 T; 0 U; 0 Other;

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      1394 AAAGGAGGTAAA 1405
      ||||| |||||
Db      1 AAAGGAGGTAAA 12
      ||||| |||||

RESULT 558
ABC52734
ID      ABC52734 standard; DNA; 13 BP.
XX
AC      ABC52734;
XX
DT      21-FEB-2002 (first entry)
XX
DE      Oligonucleotide SEQ ID NO 52751 for detecting SNP TSC0014606.
XX
KW      SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW      peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW      central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS      Homo sapiens.
XX
PN      WO200177384-A2.
XX
PD      18-OCT-2001.
XX
```

PF 06-APR-2001; 2001WO-IB0000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
DR
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 52751; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 6 A; 0 C; 3 G; 4 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1442 TACATGGAAGAT 1453
Db 1 TAAATGGAAGAT 12

RESULT 559
ABC79859
ID ABC79859 standard; DNA; 13 BP.
XX
AC ABC79859;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 79876 for detecting SNP TSC0020278.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
XX WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB0000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
DR
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.

XX
PS Claim 1; SEQ ID NO 79876; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 7 A; 1 C; 0 G; 5 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1402 TAAAATTCTTAA 1413
Db 1 TAAAATTCTTAA 12

RESULT 560
ABC56426/c
ID ABC56426 standard; DNA; 13 BP.
XX
AC ABC56426;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 56443 for detecting SNP TSC0015305.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
XX WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB0000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
DR
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 56443; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX

CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 2 A; 0 C; 3 G; 8 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1355 AAAAATATTCCA 1366
Db 12 AAAAATATCCCA 1

RESULT 561
ABC11542/c
ID ABC11542 standard; DNA; 13 BP.
XX
AC ABC11542;
XX
DT 20-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 11541 for detecting SNP TSC0002802.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
AC ABC11542;
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 11541; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 2 A; 0 C; 2 G; 9 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1355 AAAAATATTCCA 1366
Db 12 AAAAATATACCA 1

RESULT 562
ABC11543
ID ABC11543 standard; DNA; 13 BP.
XX
AC ABC11543;
XX
DT 20-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 11542 for detecting SNP TSC0002802.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
AC ABC11543;
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 11542; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 2 A; 0 C; 2 G; 9 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1355 AAAAATATTCCA 1366
Db 12 AAAAATATACCA 1

RESULT 563
ABC89795
ID ABC89795 standard; DNA; 13 BP.
XX
AC ABC89795;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 89812 for detecting SNP TSC0022510.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;

RESULT 562
ABC11543
ID ABC11543 standard; DNA; 13 BP.
XX
AC ABC11543;
XX
DT 20-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 11542 for detecting SNP TSC0002802.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
AC ABC11543;
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 11542; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 9 A; 2 C; 0 G; 2 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1355 AAAAATATTCCA 1366
Db 2 AAAAATATACCA 13

RESULT 563
ABC89795
ID ABC89795 standard; DNA; 13 BP.
XX
AC ABC89795;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 89812 for detecting SNP TSC0022510.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;

KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB0000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
PI Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
DR
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 89812; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 6 A; 4 C; 0 G; 3 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1434 CAGACATATACA 1445
Db 1 CATACATATACA 12
|||||
RESULT 564
ABF22881/c
ID ABF22881 standard; DNA; 13 BP.
XX
AC ABF22881;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 122878 for detecting SNP TSC0030713.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB0000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.

KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB0000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.

KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB0000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.

XX Olek A, Piepenbrock C, Berlin K;
PI WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 122878; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 5 A; 1 C; 1 G; 6 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1403 AAAATTGTTAAT 1414
Db 13 AAAATCGTTAAT 2
|||||
RESULT 565
ABF38476/c
ID ABF38476 standard; DNA; 13 BP.
XX
AC ABF38476;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 138473 for detecting SNP TSC0034672.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB0000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 138473; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)

```
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
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CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
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CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 4 A; 0 C; 1 G; 8 T; 0 U; 0 Other;

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1355 AAAAAATATTTCCA 1366
Db 13 AAAAAATATTACA 2

RESULT 566
ABH17406
ID ABH17406 standard; DNA; 13 BP.
XX
AC ABH17406;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 217383 for detecting SNP TSC0052861.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 217383; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
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CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 5 A; 0 C; 1 G; 7 T; 0 U; 0 Other;

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1355 AAAAAATATTTCCA 1366
Db 13 AAAAAATATTACA 2

RESULT 567
ABF93281
ID ABF93281 standard; DNA; 13 BP.
XX
AC ABF93281;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 193278 for detecting SNP TSC0047551.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 193278; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 8 A; 1 C; 0 G; 4 T; 0 U; 0 Other;

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1353 AGAAAAATATTC 1364
Db 2 AAAAAATATATTC 13

RESULT 568
ABF72948
ID ABF72948 standard; DNA; 13 BP.
XX
```

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AC ABF72948;
XX
DT 22-FEB-2002 (first entry)
DE
DE Oligonucleotide SEQ ID NO 172945 for detecting SNP TSC0043092.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB0000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
DR
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 172945; 29pp + Sequence Listing; German.
PS
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
PS Sequence 13 BP; 7 A; 0 C; 1 G; 5 T; 0 U; 0 Other;
XX
CC Query Match 8.0%; Score 10.4; DB 1; Length 13;
CC Best Local Similarity 91.7%; Pred. No. 3.5e+02;
CC Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1352 AAGAAAAAATATT 1363
Db 2 AAGATAAAATATT 13
RESULT 569
ABF50064
ID ABF50064 standard; DNA; 13 BP.
XX
AC ABF50064;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 150061 for detecting SNP TSC0037873.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
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XX 18-OCT-2001.
PD
XX
XX 06-APR-2001; 2001WO-IB0000713.
PF
XX
XX 07-APR-2000; 2000DE-01019173.
PR
XX (EPIG-) EPIGENOMICS AG.
PA
XX Olek A, Piepenbrock C, Berlin K;
PI
XX WPI; 2001-657177/75.
DR
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 150061; 29pp + Sequence Listing; German.
PS
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 5 A; 0 C; 1 G; 7 T; 0 U; 0 Other;
XX
XX Query Match 8.0%; Score 10.4; DB 1; Length 13;
XX Best Local Similarity 91.7%; Pred. No. 3.5e+02;
XX Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1401 GTAAAATTGTTA 1412
Db 1 GTAAAATTGTTA 12
RESULT 570
ABF91287/C
ID ABF91287 standard; DNA; 13 BP.
XX
XX ABF91287;
AC
XX ABF91287;
DT 22-FEB-2002 (first entry)
XX
XX Oligonucleotide SEQ ID NO 191284 for detecting SNP TSC0047056.
DE
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
XX WO200177384-A2.
PN
XX
XX 18-OCT-2001.
PD
XX
XX 06-APR-2001; 2001WO-IB0000713.
PF
XX
XX 07-APR-2000; 2000DE-01019173.
PR
XX (EPIG-) EPIGENOMICS AG.
PA
XX Olek A, Piepenbrock C, Berlin K;
PI
XX WPI; 2001-657177/75.
DR
XX
```


PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 191284; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 4 A; 5 C; 0 G; 4 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1447 GGAAGATGGGTT 1458
Db 12 GGAAGATGGGTT 1

RESULT 571
ABH45028
ID ABH45028 standard; DNA; 13 BP.
XX
AC ABH45028;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 245005 for detecting SNP TSC0059825.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 245005; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010

CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 4 A; 0 C; 2 G; 7 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1401 GTAAATTTGTTA 1412
Db 2 GTAAATTTGTTA 13

RESULT 572
ABH50639
ID ABH50639 standard; DNA; 13 BP.
XX
AC ABH50639;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 250616 for detecting SNP TSC0061196.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 250616; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
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CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 7 A; 2 C; 0 G; 4 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1356 AAAATATTCAC 1367

PR 07-APR-2000; 2000DE-01019173.
XX (EPIG-) EPIGENOMICS AG.
PA Olek A, Piepenbrock C, Berlin K;
PI WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 259970; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
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CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
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SQ Sequence 13 BP; 4 A; 2 C; 0 G; 7 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1439 ATATACATGGAA 1450
Db 13 ATATATATGGAA 2

RESULT 576
ABC42350/c
ID ABC42350 standard; DNA; 13 BP.
XX
AC ABC42350;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 42367 for detecting SNP TSC0012640.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
AC ABC42350;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 42367 for detecting SNP TSC0012640.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
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PR 07-APR-2000; 2000DE-01019173.
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XX
PI Olek A, Piepenbrock C, Berlin K;
XX
PI WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 42367; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
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XX
SQ Sequence 13 BP; 4 A; 0 C; 4 G; 5 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1385 CTTCTGATCAAA 1396
Db 12 CTTCTCATCAAA 1

RESULT 577
ABC95963/c
ID ABC95963 standard; DNA; 13 BP.
XX
AC ABC95963;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 95980 for detecting SNP TSC0023864.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB0000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
PI WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 95980; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX

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XX
SQ Sequence 13 BP; 8 A; 3 C; 0 G; 2 T; 0 U; 0 Other;

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1407 TTGTTAATGATG 1418
Db 12 TTGTTTATGATG 1

RESULT 578
ABC27818
ID ABC27818 standard; DNA; 13 BP.
XX
AC ABC27818;
XX
DT 20-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 27835 for detecting SNP TSC0007837.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
AC ABC27818;
XX
DT 20-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 27835 for detecting SNP TSC0007837.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
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PF 06-APR-2001; 2001WO-IB000713.
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PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 27835; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI02073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 4 A; 0 C; 2 G; 6 T; 0 U; 1 Other;

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1401 GTAAATTTGTTA 1412
Db 1 GTAAATTTGTTA 12

RESULT 579
```

```
ABC79858/c
ID ABC79858 standard; DNA; 13 BP.
XX
AC ABC79858;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 79875 for detecting SNP TSC0020278.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 79875; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI02073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 5 A; 0 C; 1 G; 7 T; 0 U; 0 Other;

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1402 TAAATTTGTTAA 1413
Db 13 TAAATTTCTTAA 2

RESULT 580
ABC10548
ID ABC10548 standard; DNA; 13 BP.
XX
AC ABC10548;
XX
DT 20-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 10539 for detecting SNP TSC0002658.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
```


OS Homo sapiens.
XX WO200177384-A2.
PN 18-OCT-2001.
XX 06-APR-2001; 2001WO-IB0000713.
XX 07-APR-2000; 2000DE-01019173.
PF (EPIG-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
DR Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
PT Claim 1; SEQ ID NO 10539; 29pp + Sequence Listing; German.
PS
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 7 A; 0 C; 2 G; 4 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1352 AAGAAAAATATT 1363
Db 1 AAGAAGAAATATT 12

RESULT 581
ABF10761/c
ID ABF10761 standard; DNA; 13 BP.
XX
AC ABF10761;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 110758 for detecting SNP TSC0027637.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB0000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;

XX WPI; 2001-657177/75.
DR Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
PT Claim 1; SEQ ID NO 110758; 29pp + Sequence Listing; German.
PS
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 5 A; 1 C; 0 G; 7 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1352 AAGAAAAATATT 1363
Db 13 AAGAAAAATATT 2

RESULT 582
ABF38162
ID ABF38162 standard; DNA; 13 BP.
XX
AC ABF38162;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 138159 for detecting SNP TSC0034582.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB0000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 138159; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX

CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 9 A; 0 C; 2 G; 2 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1351 GAAGAAAAATAT 1362
Db 1 GAAAAAAATAT 12

RESULT 583
ABF42024
ID ABF42024 standard; DNA; 13 BP.
XX
AC ABF42024;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 142021 for detecting SNP TSC0035574.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX (EPIG-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 142021; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 6 A; 0 C; 7 G; 0 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;

Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1348 GGGGAAGAAAA 1359
Db 2 GGGGAGGAAAA 13
RESULT 584
ABH17407/C
ID ABH17407 standard; DNA; 13 BP.
XX
AC ABH17407;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 217384 for detecting SNP TSC0052861.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX (EPIG-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 217384; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 7 A; 1 C; 0 G; 5 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1402 TAAAAATTGTTAA 1413
Db 12 TAAAAATTGTTTA 1

RESULT 585
ABF44938
ID ABF44938 standard; DNA; 13 BP.
XX
AC ABF44938;
XX

DT 21-FEB-2002 (first entry)
XX Oligonucleotide SEQ ID NO 144935 for detecting SNP TSC0036443.
DE
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX WO200177384-A2.
PN
XX 18-OCT-2001.
PD
XX 06-APR-2001; 2001WO-IB000713.
PF
XX 07-APR-2000; 2000DE-01019173.
PR
XX (EPIG-) EPIGENOMICS AG.
PA
XX Olek A, Piepenbrock C, Berlin K;
PI WPI; 2001-657177/75.
DR
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX Claim 1; SEQ ID NO 144935; 29pp + Sequence Listing; German.
PS
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
PS Sequence 13 BP; 3 A; 0 C; 5 G; 5 T; 0 U; 0 Other;
XX
CC Query Match 8.0%; Score 10.4; DB 1; Length 13;
CC Best Local Similarity 91.7%; Pred. No. 3.5e+02;
CC Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
CC
QY 1447 GGAAGATGGGTT 1458
Db 1 GGAAGATGGTT 12
RESULT 586
ABF45572
ID ABF45572 standard; DNA; 13 BP.
XX
AC ABF45572;
XX
XX 21-FEB-2002 (first entry)
DT
XX Oligonucleotide SEQ ID NO 145569 for detecting SNP TSC0036660.
DE
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX WO200177384-A2.
PN
XX 18-OCT-2001.
PD

XX 06-APR-2001; 2001WO-IB000713.
PF
XX 07-APR-2000; 2000DE-01019173.
PR
XX (EPIG-) EPIGENOMICS AG.
PA
XX Olek A, Piepenbrock C, Berlin K;
PI WPI; 2001-657177/75.
DR
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 145569; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 5 A; 0 C; 4 G; 4 T; 0 U; 0 Other;
XX
XX Query Match 8.0%; Score 10.4; DB 1; Length 13;
XX Best Local Similarity 91.7%; Pred. No. 3.5e+02;
XX Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
QY 1398 GAGGTAAATTG 1409
Db 1 GAGGTAAATTG 12
RESULT 587
ABF46347/c
ID ABF46347 standard; DNA; 13 BP.
XX
AC ABF46347;
XX
XX 21-FEB-2002 (first entry)
DT
XX Oligonucleotide SEQ ID NO 146344 for detecting SNP TSC0036879.
DE
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX WO200177384-A2.
PN
XX 18-OCT-2001.
PD
XX 06-APR-2001; 2001WO-IB000713.
PF
XX 07-APR-2000; 2000DE-01019173.
PR
XX (EPIG-) EPIGENOMICS AG.
PA
XX Olek A, Piepenbrock C, Berlin K;
PI WPI; 2001-657177/75.
DR
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT designed to detect single-nucleotide polymorphisms and cytosine

PT methylation status.
XX
PS Claim 1; SEQ ID NO 146344; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 4 A; 3 C; 0 G; 6 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1401 GTAAATTTGTTA 1412
Db 12 GTAAATTTGTTA 1
|||||||

RESULT 588
ABH32279/c
ID ABH32279 standard; DNA; 13 BP.
XX
AC ABH32279;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 232256 for detecting SNP TSC0056652.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 232256; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence

CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 6 A; 3 C; 0 G; 4 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1407 TTGTTAATGATG 1418
Db 13 TTGATAATGATG 2
|||||||

RESULT 589
ABF82834
ID ABF82834 standard; DNA; 13 BP.
XX
AC ABF82834;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 182831 for detecting SNP TSC0045175.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 182831; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 4 A; 0 C; 2 G; 7 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1406 ATTGTTAATGAT 1417
Db 1 ATTGTTAATGTT 12
|||||||


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RESULT 590
ABF82835/C
ID ABF82835 standard; DNA; 13 BP.
XX
AC ABF82835;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 182832 for detecting SNP TSC0045175.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 182832; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 7 A; 2 C; 0 G; 4 T; 0 U; 0 Other;
XX
Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1406 ATTGTTAATGAT 1417
Db 13 ATTGTTAATGTT 2

RESULT 591
ABF60681/C
ID ABF60681 standard; DNA; 13 BP.
XX
AC ABF60681;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 160678 for detecting SNP TSC0040462.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
```

```
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 160678; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 5 A; 2 C; 0 G; 6 T; 0 U; 0 Other;
XX
Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1405 AATTGTTAATGA 1416
Db 12 AATTGTTAAGA 1

RESULT 592
ABH39436
ID ABH39436 standard; DNA; 13 BP.
XX
AC ABH39436;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 239413 for detecting SNP TSC0058397.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
```

PA (EPIG-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
PI WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 239413; 29pp + Sequence Listing; German.
PS This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 9 A; 0 C; 3 G; 1 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1351 GAAGAAAAATAT 1362
DB 1 GAAGAAAAAGAT 12

RESULT 593
ABF65196
ID ABF65196 standard; DNA; 13 BP.
XX
AC ABF65196;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 165193 for detecting SNP TSC0041433.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 165193; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic

CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 4 A; 0 C; 6 G; 3 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1447 GGAAGATGGGTT 1458
DB 2 GGAATAATGGGTT 13

RESULT 594
ABF90893/C
ID ABF90893 standard; DNA; 13 BP.
XX
AC ABF90893;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 190890 for detecting SNP TSC0046952.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 190890; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 7 A; 4 C; 0 G; 2 T; 0 U; 0 Other;

CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC9989, ABF0010-ABF9989, ABH0010-ABH9989 and ABI0010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 2 A; 0 C; 3 G; 8 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1407 TTGTTAATGATG 1418
DB 2 TTGTTATTGATG 13

RESULT 600
ABC75903/c
ID ABC75903 standard; DNA; 13 BP.
XX
AC ABC75903;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 75920 for detecting SNP TSC0019454.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB0000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 75920; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC9989, ABF0010-ABF9989, ABH0010-ABH9989 and ABI0010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 5 A; 4 C; 0 G; 4 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1450 AGATGGGTTGAT 1461
DB 13 AAATGGGTTGAT 2

RESULT 601
ABC06933/c
ID ABC06933 standard; DNA; 13 BP.
XX
AC ABC06933;
XX
DT 20-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 6924 for detecting SNP TSC0002071.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB0000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 6924; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC9989, ABF0010-ABF9989, ABH0010-ABH9989 and ABI0010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 6 A; 1 C; 0 G; 6 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1403 AAAATTGTTAAT 1414
DB 12 AAAATTGTTATT 1

RESULT 602
ABC81569/c
ID ABC81569 standard; DNA; 13 BP.
XX
AC ABC81569;
XX
DT 21-FEB-2002 (first entry)
XX

DE Oligonucleotide SEQ ID NO 81586 for detecting SNP TSC0020645.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB0000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
DR
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 81586; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 6 A; 0 C; 0 G; 7 T; 0 U; 0 Other;
Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1402 TAAAAATTGTTAA 1413
Db 12 TAAAAATTTTAA 1
RESULT 603
ABC56427
ID ABC56427 standard; DNA; 13 BP.
XX
AC ABC56427;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 56444 for detecting SNP TSC0015305.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB0000713.

XX 07-APR-2000; 2000DE-01019173.
PR (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
DR
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 56444; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 8 A; 3 C; 0 G; 2 T; 0 U; 0 Other;
Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1355 AAAAATATTCCA 1366
Db 2 AAAAATATCCCA 13
RESULT 604
ABC36054
ID ABC36054 standard; DNA; 13 BP.
XX
AC ABC36054;
XX
DT 20-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 36071 for detecting SNP TSC0011349.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB0000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
DR
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX

PS Claim 1; SEQ ID NO 36071; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP) and cytosine methylation status in chemically pretreated genomic DNA. The oligonucleotides are used for diagnosis and/or prognosis of cancer and a range of diseases including immune system, gastrointestinal, respiratory, central nervous system, cardiovascular and metabolic disorders. The oligomers are also used for detecting cell type differentiation. ABC00010 -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073 represent the oligomers described in the invention. NOTE: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format from WIPO at ftp.wipo.int/pub/published_pct_sequences

XX Sequence 13 BP; 6 A; 0 C; 1 G; 6 T; 0 U; 0 Other;

SQ Query Match 8.0%; Score 10.4; DB 1; Length 13; Best Local Similarity 91.7%; Pred. No. 3.5e+02; Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1402 TAAAAATTGTTAA 1413
| | | | | | | | | |
Db 1 TAAAAATTGTTA 12

RESULT 605

ABF12262

ID ABF12262 standard; DNA; 13 BP.

XX

AC ABF12262;

XX

DT 21-FEB-2002 (first entry)

XX

DE Oligonucleotide SEQ ID NO 112259 for detecting SNP TSC0028043.

XX

KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS; peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss; central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX

OS Homo sapiens.

XX

PN WO200177384-A2.

XX

PD 18-OCT-2001.

XX

PF 06-APR-2001; 2001WO-IB0000713.

XX

PR 07-APR-2000; 2000DE-01019173.

XX

PA (EPIG-) EPIGENOMICS AG.

XX

PI Olek A, Piepenbrock C, Berlin K;

XX

DR WPI; 2001-657177/75.

XX

PT Set of oligonucleotides, useful for diagnosis and cell typing, is designed to detect single-nucleotide polymorphisms and cytosine methylation status.

XX

PS Claim 1; SEQ ID NO 112259; 29pp + Sequence Listing; German.

XX

CC This invention describes novel oligonucleotide primers or peptide nucleic acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP) and cytosine methylation status in chemically pretreated genomic DNA. The oligonucleotides are used for diagnosis and/or prognosis of cancer and a range of diseases including immune system, gastrointestinal, respiratory, central nervous system, cardiovascular and metabolic disorders. The oligomers are also used for detecting cell type differentiation. ABC00010 -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073 represent the oligomers described in the invention. NOTE: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format from WIPO at

CC ftp.wipo.int/pub/published_pct_sequences

XX

SQ Sequence 13 BP; 4 A; 0 C; 4 G; 5 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 13; Best Local Similarity 91.7%; Pred. No. 3.5e+02; Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1408 TGTTAATGATGA 1419
| | | | | | | | | |
Db 1 TGTTAGTGATGA 12

RESULT 606

ABC15931

ID ABC15931 standard; DNA; 13 BP.

XX

AC ABC15931;

XX

DT 20-FEB-2002 (first entry)

XX

DE Oligonucleotide SEQ ID NO 15938 for detecting SNP TSC0003511.

XX

KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS; peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss; central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX

OS Homo sapiens.

XX

PN WO200177384-A2.

XX

PD 18-OCT-2001.

XX

PF 06-APR-2001; 2001WO-IB0000713.

XX

PR 07-APR-2000; 2000DE-01019173.

XX

PA (EPIG-) EPIGENOMICS AG.

XX

PI Olek A, Piepenbrock C, Berlin K;

XX

DR WPI; 2001-657177/75.

XX

PT Set of oligonucleotides, useful for diagnosis and cell typing, is designed to detect single-nucleotide polymorphisms and cytosine methylation status.

XX

PS Claim 1; SEQ ID NO 15938; 29pp + Sequence Listing; German.

XX

CC This invention describes novel oligonucleotide primers or peptide nucleic acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP) and cytosine methylation status in chemically pretreated genomic DNA. The oligonucleotides are used for diagnosis and/or prognosis of cancer and a range of diseases including immune system, gastrointestinal, respiratory, central nervous system, cardiovascular and metabolic disorders. The oligomers are also used for detecting cell type differentiation. ABC00010 -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073 represent the oligomers described in the invention. NOTE: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format from WIPO at ftp.wipo.int/pub/published_pct_sequences

XX

SQ Sequence 13 BP; 6 A; 4 C; 0 G; 3 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 13; Best Local Similarity 91.7%; Pred. No. 3.5e+02; Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1355 AAAAAATATTCCA 1366
| | | | | | | | | |
Db 2 ACAAATATTCCA 13

```
RESULT 607
ABF37830/c
ID ABF37830 standard; DNA; 13 BP.
XX
XX
AC ABF37830;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 137827 for detecting SNP TSC0034453.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
PI WPI; 2001-657177/75.
XX
DR Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX
PS Claim 1; SEQ ID NO 137827; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC9989, ABF0010-ABF9989, ABH0010-ABH9989 and ABI0010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 2 A; 0 C; 4 G; 7 T; 0 U; 0 Other;
XX
Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1356 AAAATATCCAC 1367
Db 13 AAAATATACCAC 2

RESULT 608
ABF39222
ID ABF39222 standard; DNA; 13 BP.
XX
XX
AC ABF39222;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 139219 for detecting SNP TSC0034874.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
```

```
XX Homo sapiens.
OS
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX
XX Claim 1; SEQ ID NO 139219; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC9989, ABF0010-ABF9989, ABH0010-ABH9989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 3 A; 0 C; 4 G; 6 T; 0 U; 0 Other;
XX
Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1400 GGTAATAATTGTT 1411
Db 1 GGTAAGAATTGTT 12

RESULT 609
ABH20484
ID ABH20484 standard; DNA; 13 BP.
XX
XX
AC ABH20484;
XX
XX 22-FEB-2002 (first entry)
XX
XX Oligonucleotide SEQ ID NO 220461 for detecting SNP TSC0053650.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX
```


Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1402 TAAATTTGTTAA 1413
Db 13 TAAATATTATAA 2

RESULT 612

ABH00919
ID ABH00919 standard; DNA; 13 BP.

XX AC ABH00919;

XX DT 22-FEB-2002 (first entry)

XX DE Oligonucleotide SEQ ID NO 200896 for detecting SNP TSC0049427.

XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX OS Homo sapiens.

XX PN WO200177384-A2.

XX PD 18-OCT-2001.

XX PF 06-APR-2001; 2001WO-IB000713.

XX PR 07-APR-2000; 2000DE-01019173.

XX PA (EPIG-) EPIGENOMICS AG.

XX PI Olek A, Piepenbrock C, Berlin K;

XX DR WPI; 2001-657177/75.

XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
XX PT designed to detect single-nucleotide polymorphisms and cytosine
XX PT methylation status.

XX PS Claim 1; SEQ ID NO 200896; 29pp + Sequence Listing; German.

XX CC This invention describes novel oligonucleotide primers or peptide nucleic
XX CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX CC and cytosine methylation status in chemically pretreated genomic DNA. The
XX CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX CC range of diseases including immune system, gastrointestinal, respiratory,
XX CC central nervous system, cardiovascular and metabolic disorders. The
XX CC oligomers are also used for detecting cell type differentiation. ABC00010
XX CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX CC represent the oligomers described in the invention. NOTE: The sequence
XX CC data for this patent did not form part of the printed specification, but
XX CC was obtained in electronic format from WIPO at
XX CC ftp.wipo.int/pub/published_pct_sequences

XX SQ Sequence 13 BP; 4 A; 5 C; 1 G; 3 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1365 CAGCATCACA 1376
Db 1 CAGCATCACTA 12

RESULT 613

ABF53909

ID ABF53909 standard; DNA; 13 BP.

XX AC ABF53909;

XX DT 21-FEB-2002 (first entry)

XX DE Oligonucleotide SEQ ID NO 153906 for detecting SNP TSC0038907.

XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX OS Homo sapiens.

XX PN WO200177384-A2.

XX PD 18-OCT-2001.

XX PF 06-APR-2001; 2001WO-IB000713.

XX PR 07-APR-2000; 2000DE-01019173.

XX PA (EPIG-) EPIGENOMICS AG.

XX PI Olek A, Piepenbrock C, Berlin K;

XX DR WPI; 2001-657177/75.

XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
XX PT designed to detect single-nucleotide polymorphisms and cytosine
XX PT methylation status.

XX PS Claim 1; SEQ ID NO 153906; 29pp + Sequence Listing; German.

XX CC This invention describes novel oligonucleotide primers or peptide nucleic
XX CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX CC and cytosine methylation status in chemically pretreated genomic DNA. The
XX CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX CC range of diseases including immune system, gastrointestinal, respiratory,
XX CC central nervous system, cardiovascular and metabolic disorders. The
XX CC oligomers are also used for detecting cell type differentiation. ABC00010
XX CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX CC represent the oligomers described in the invention. NOTE: The sequence
XX CC data for this patent did not form part of the printed specification, but
XX CC was obtained in electronic format from WIPO at
XX CC ftp.wipo.int/pub/published_pct_sequences

XX SQ Sequence 13 BP; 9 A; 1 C; 0 G; 3 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1355 AAAAATATTCCA 1366
Db 2 AAAAATATTACA 13

RESULT 614

ABH05682

ID ABH05682 standard; DNA; 13 BP.

XX AC ABH05682;

XX DT 22-FEB-2002 (first entry)

XX DE Oligonucleotide SEQ ID NO 205659 for detecting SNP TSC0050412.

XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX OS Homo sapiens.

XX PN WO200177384-A2.

XX XX

PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 205659; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 6 A; 0 C; 5 G; 2 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1392 TCAAAGGAGGTA 1403
Db 1 TAAAAGGAGGTA 12

RESULT 615
ABF88267/c
ID ABF88267 standard; DNA; 13 BP.
XX
AC ABF88267;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 188264 for detecting SNP TSC0046354.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is

PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 188264; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 4 A; 0 C; 0 G; 9 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1352 AAGAAAAATATT 1363
Db 13 AATAAAAAATATT 2

RESULT 616
ABH45509/c
ID ABH45509 standard; DNA; 13 BP.
XX
AC ABH45509;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 245486 for detecting SNP TSC0059938.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 245486; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 4 A; 0 C; 0 G; 9 T; 0 U; 0 Other;

```
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 4 A; 5 C; 0 G; 4 T; 0 U; 0 Other;

  Query Match      8.0%; Score 10.4; DB 1; Length 13;
  Best Local Similarity 91.7%; Pred. No. 3.5e+02;
  Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1397 GGAGGTAAATT 1408
Db 12 GGAGGTAAGATT 1
|||||

RESULT 617
ABH52659/C
ID ABH52659 standard; DNA; 13 BP.
XX
AC ABH52659;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 252636 for detecting SNP TSC0061629.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 252636; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 5 A; 4 C; 0 G; 3 T; 0 U; 1 Other;

  Query Match      8.0%; Score 10.4; DB 1; Length 13;
  Best Local Similarity 91.7%; Pred. No. 3.5e+02;
  Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1400 GGTAATAATTGTT 1411
|||||

CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 4 A; 5 C; 0 G; 4 T; 0 U; 0 Other;

  Query Match      8.0%; Score 10.4; DB 1; Length 13;
  Best Local Similarity 91.7%; Pred. No. 3.5e+02;
  Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1397 GGAGGTAAATT 1408
Db 12 GGAGGTAAGATT 1
|||||

RESULT 618
ABH62907
ID ABH62907 standard; DNA; 13 BP.
XX
AC ABH62907;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 262884 for detecting SNP TSC0063773.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 262884; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 7 A; 4 C; 0 G; 2 T; 0 U; 0 Other;

  Query Match      8.0%; Score 10.4; DB 1; Length 13;
  Best Local Similarity 91.7%; Pred. No. 3.5e+02;
  Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1355 AAAAATATTTCCA 1366
Db 2 AAAAATATTTCCA 13
|||||

RESULT 619
ABC42353
ID ABC42353 standard; DNA; 13 BP.
XX
AC ABC42353;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 42370 for detecting SNP TSC0012640.
```


KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 42370; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 5 A; 3 C; 0 G; 5 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1385 CTTCTGATCAAA 1396
Db 2 CTTCTTATCAAA 13

RESULT 620
ID ABC49447/c
XX ABC49447 standard; DNA; 13 BP.
AC ABC49447;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 49464 for detecting SNP TSC0013987.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.

XX (EPIG-) EPIGENOMICS AG.
PA
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 49464; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 8 A; 3 C; 0 G; 2 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1407 TTGTTAATGATG 1418
Db 12 TTGTTATTGATG 1

RESULT 621
ID ABC56660
XX ABC56660 standard; DNA; 13 BP.
AC ABC56660;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 56677 for detecting SNP TSC0015363.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 56677; 29pp + Sequence Listing; German.
XX

CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX

SQ Sequence 13 BP; 4 A; 0 C; 1 G; 8 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1406 ATTGTTAATGAT 1417
|||||||
Db 1 ATTGTTAATTAT 12

RESULT 622
ABC32975/C
ID ABC32975 standard; DNA; 13 BP.

XX AC ABC32975;
XX DT 20-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 32992 for detecting SNP TSC0010460.
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.

PF 06-APR-2001; 2001WO-IB0000713.
PR 07-APR-2000; 2000DE-01019173.

PA (EPIG-) EPIGENOMICS AG.
PI Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.

PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.

PS Claim 1; SEQ ID NO 32992; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX

SQ Sequence 13 BP; 6 A; 3 C; 0 G; 4 T; 0 U; 0 Other;
Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1404 AAATTGTTAATG 1415
|||||||
Db 12 AGATTGTTAATG 1

RESULT 623
ABF14032/C
ID ABF14032 standard; DNA; 13 BP.

XX AC ABF14032;
XX DT 21-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 114029 for detecting SNP TSC0028539.
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.

PF 06-APR-2001; 2001WO-IB0000713.
PR 07-APR-2000; 2000DE-01019173.

PA (EPIG-) EPIGENOMICS AG.
PI Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.

PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.

PS Claim 1; SEQ ID NO 114029; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX

SQ Sequence 13 BP; 5 A; 0 C; 0 G; 8 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1352 AAGAAAAATATT 1363
|||||||
Db 13 AATAAAAAATATT 2

RESULT 624
ABC39559/C

ID ABC39559 standard; DNA; 13 BP.
XX
AC ABC39559;
XX
XX
DT 20-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 39576 for detecting SNP TSC0012093.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
XX WO200177384-A2.
PN
XX
PD 18-OCT-2001.
XX
XX
PF 06-APR-2001; 2001WO-IB0000713.
XX
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
DR WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 39576; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 5 A; 1 C; 0 G; 7 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1403 AAAATTGTTAAAT 1414
Db 13 AAAATTGTAAAT 2

RESULT 625
ABC89794/c
ID ABC89794 standard; DNA; 13 BP.
XX
AC ABC89794;
XX
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 89811 for detecting SNP TSC0022510.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.

XX WO200177384-A2.
PN
XX
PD 18-OCT-2001.
XX
XX
PF 06-APR-2001; 2001WO-IB0000713.
XX
XX
PR 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
PA
XX
PI Olek A, Piepenbrock C, Berlin K;
DR WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 89811; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 3 A; 0 C; 4 G; 6 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1434 CAGACATATACA 1445
Db 13 CATACATATACA 2

RESULT 626
ABF20333/c
ID ABF20333 standard; DNA; 13 BP.
XX
AC ABF20333;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 120330 for detecting SNP TSC0030029.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
XX WO200177384-A2.
PN
XX
PD 18-OCT-2001.
XX
XX
PF 06-APR-2001; 2001WO-IB0000713.
XX
XX
PR 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
PA
XX
PI Olek A, Piepenbrock C, Berlin K;
XX

DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 120330; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 1 A; 2 C; 0 G; 10 T; 0 U; 0 Other;
Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1350 GGAAGAAAAATA 1361
Db 12 GAAAGAAAAATA 1
RESULT 627
ABF22877/c
ID ABF22877 standard; DNA; 13 BP.
XX
AC ABF22877;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 122874 for detecting SNP TSC0030713.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 122874; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,

CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 6 A; 0 C; 0 G; 7 T; 0 U; 0 Other;
Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1403 AAAATTGTTAAT 1414
Db 13 AAAATTATTAAAT 2
RESULT 628
ABF37599/c
ID ABF37599 standard; DNA; 13 BP.
XX
AC ABF37599;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 137596 for detecting SNP TSC0034394.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 137596; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 5 A; 1 C; 0 G; 7 T; 0 U; 0 Other;
Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;


```
QY      1352 AAGAAAAATATT 1363
      |||||
Db      12 AAGAAATATATT 1
      |||||

RESULT 629
ABH20081/c
ID      ABH20081 standard; DNA; 13 BP.
XX
AC      ABH20081;
XX
DT      22-FEB-2002 (first entry)
XX
DE      Oligonucleotide SEQ ID NO 220058 for detecting SNP TSC0053544.
XX
KW      SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW      peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW      central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS      Homo sapiens.
XX
PN      WO200177384-A2.
XX
PD      18-OCT-2001.
XX
PF      06-APR-2001; 2001WO-IB000713.
XX
PR      07-APR-2000; 2000DE-01019173.
XX
PA      (EPIG-) EPIGENOMICS AG.
XX
PI      Olek A, Piepenbrock C, Berlin K;
XX      WPI; 2001-657177/75.
XX
PT      Set of oligonucleotides, useful for diagnosis and cell typing, is
PT      designed to detect single-nucleotide polymorphisms and cytosine
PT      methylation status.
XX
PS      Claim 1; SEQ ID NO 220058; 29pp + Sequence Listing; German.
XX
CC      This invention describes novel oligonucleotide primers or peptide nucleic
CC      acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC      and cytosine methylation status in chemically pretreated genomic DNA. The
CC      oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC      range of diseases including immune system, gastrointestinal, respiratory,
CC      central nervous system, cardiovascular and metabolic disorders. The
CC      oligomers are also used for detecting cell type differentiation. ABC00010
CC      -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC      represent the oligomers described in the invention. NOTE: The sequence
CC      data for this patent did not form part of the printed specification, but
CC      was obtained in electronic format from WIPO at
CC      ftp.wipo.int/pub/published_pct_sequences
XX
SQ      Sequence 13 BP; 4 A; 5 C; 0 G; 4 T; 0 U; 0 Other;

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      1453 TGGTTGATCAA 1464
      |||||
Db      13 TGGTTGATGAA 2
      |||||

RESULT 630
ABF97649
ID      ABF97649 standard; DNA; 13 BP.
XX
AC      ABF97649;
XX
DT      22-FEB-2002 (first entry)
XX
```

```
XX
DE      Oligonucleotide SEQ ID NO 197646 for detecting SNP TSC0005726.
XX
KW      SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW      peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW      central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS      Homo sapiens.
XX
PN      WO200177384-A2.
XX
PD      18-OCT-2001.
XX
PF      06-APR-2001; 2001WO-IB000713.
XX
PR      07-APR-2000; 2000DE-01019173.
XX
PA      (EPIG-) EPIGENOMICS AG.
XX
PI      Olek A, Piepenbrock C, Berlin K;
XX      WPI; 2001-657177/75.
XX
PT      Set of oligonucleotides, useful for diagnosis and cell typing, is
PT      designed to detect single-nucleotide polymorphisms and cytosine
PT      methylation status.
XX
PS      Claim 1; SEQ ID NO 197646; 29pp + Sequence Listing; German.
XX
CC      This invention describes novel oligonucleotide primers or peptide nucleic
CC      acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC      and cytosine methylation status in chemically pretreated genomic DNA. The
CC      oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC      range of diseases including immune system, gastrointestinal, respiratory,
CC      central nervous system, cardiovascular and metabolic disorders. The
CC      oligomers are also used for detecting cell type differentiation. ABC00010
CC      -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC      represent the oligomers described in the invention. NOTE: The sequence
CC      data for this patent did not form part of the printed specification, but
CC      was obtained in electronic format from WIPO at
CC      ftp.wipo.int/pub/published_pct_sequences
XX
SQ      Sequence 13 BP; 8 A; 0 C; 0 G; 5 T; 0 U; 0 Other;

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      1402 TAAATTTGTTAA 1413
      |||||
Db      1 TAAATTTATTAA 12
      |||||

RESULT 631
ABH23391/c
ID      ABH23391 standard; DNA; 13 BP.
XX
AC      ABH23391;
XX
DT      22-FEB-2002 (first entry)
XX
DE      Oligonucleotide SEQ ID NO 223368 for detecting SNP TSC0054387.
XX
KW      SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW      peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW      central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS      Homo sapiens.
XX
PN      WO200177384-A2.
XX
PD      18-OCT-2001.
XX
```

```
PF 06-APR-2001; 2001WO-IB0000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 223368; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 5 A; 3 C; 0 G; 5 T; 0 U; 0 Other;
XX
Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1408 TGTTAATGATGA 1419
Db 12 TATTAATGATGA 1

RESULT 632
ABF49828
ID ABF49828 standard; DNA; 13 BP.
XX
AC ABF49828;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 149825 for detecting SNP TSC0037804.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB0000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
```

```
XX Claim 1; SEQ ID NO 149825; 29pp + Sequence Listing; German.
PS
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 5 A; 0 C; 2 G; 6 T; 0 U; 0 Other;
XX
Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1403 AAAATTGTTAAT 1414
Db 1 AAAGTTGTTAAT 12

RESULT 633
ABH00918/c
ID ABH00918 standard; DNA; 13 BP.
XX
AC ABH00918;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 200895 for detecting SNP TSC0049427.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB0000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 200895; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
```

```
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 3 A; 1 C; 5 G; 4 T; 0 U; 0 Other;

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1365 CACGCATCACGA 1376
Db 13 CACGCATCACTA 2

RESULT 634
ABH27319/c
ID ABH27319 standard; DNA; 13 BP.
XX
AC ABH27319;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 227296 for detecting SNP TSC0055447.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 227296; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 4 A; 2 C; 0 G; 7 T; 0 U; 0 Other;

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1352 AAGAAAAATATT 1363
Db 13 AAGTAAAAATATT 2

CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 3 A; 1 C; 5 G; 4 T; 0 U; 0 Other;

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1407 TTGTTAATGATG 1418
Db 1 TTGTTAATGAAG 12

RESULT 636
ABH36663
ID ABH36663 standard; DNA; 13 BP.
XX
AC ABH36663;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 236640 for detecting SNP TSC0057760.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
```

KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX Homo sapiens.
OS WO200177384-A2.
XX 18-OCT-2001.
PD 06-APR-2001; 2001WO-IB0000713.
XX 07-APR-2000; 2000DE-01019173.
PF (EPIG-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
PI WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 236640; 29pp + Sequence Listing; German.
PS This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 8 A; 2 C; 0 G; 3 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1355 AAAAATATCCCA 1366
Db 2 AAAAATATCCCA 13

RESULT 637
ABF88601
ID ABF88601 standard; DNA; 13 BP.
XX
AC ABF88601;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 188598 for detecting SNP TSC0046437.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB0000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.

XX Olek A, Piepenbrock C, Berlin K;
PI WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 188598; 29pp + Sequence Listing; German.
PS This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 9 A; 1 C; 0 G; 3 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1352 AACAAAAATATT 1363
Db 1 AACAAAAATATT 12

RESULT 638
ABF91898
ID ABF91898 standard; DNA; 13 BP.
XX
AC ABF91898;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 191895 for detecting SNP TSC0047217.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB0000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 191895; 29pp + Sequence Listing; German.
PS This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)

CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences

XX SQ Sequence 13 BP; 3 A; 0 C; 6 G; 4 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1446 TGAAGATGGGT 1457
Db 2 TGAAGATGGTT 13
|||||

RESULT 639
ABH45513/C
ID ABH45513 standard; DNA; 13 BP.

XX AC ABH45513;

XX DT 22-FEB-2002 (first entry)

XX DE Oligonucleotide SEQ ID NO 245490 for detecting SNP TSC0059938.

XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX OS Homo sapiens.

XX PN WO200177384-A2.

XX PD 18-OCT-2001.

XX PF 06-APR-2001; 2001WO-IB0000713.

XX PR 07-APR-2000; 2000DE-01019173.

XX PA (EPIG-) EPIGENOMICS AG.

XX PI Olek A, Piepenbrock C, Berlin K;

XX DR WPI; 2001-657177/75.

XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.

XX PS Claim 1; SEQ ID NO 245490; 29pp + Sequence Listing; German.

XX CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences

XX SQ Sequence 13 BP; 3 A; 5 C; 1 G; 4 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1397 GGAGGTAAATTT 1408
Db 12 GGAGGTAAAGATT 1
|||||

RESULT 640
ABH59997/C
ID ABH59997 standard; DNA; 13 BP.

XX AC ABH59997;

XX DT 22-FEB-2002 (first entry)

XX DE Oligonucleotide SEQ ID NO 259974 for detecting SNP TSC0063118.

XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX OS Homo sapiens.

XX PN WO200177384-A2.

XX PD 18-OCT-2001.

XX PF 06-APR-2001; 2001WO-IB0000713.

XX PR 07-APR-2000; 2000DE-01019173.

XX PA (EPIG-) EPIGENOMICS AG.

XX PI Olek A, Piepenbrock C, Berlin K;

XX DR WPI; 2001-657177/75.

XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.

XX PS Claim 1; SEQ ID NO 259974; 29pp + Sequence Listing; German.

XX CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences

XX SQ Sequence 13 BP; 3 A; 3 C; 1 G; 6 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1439 ATATACATGGAA 1450
Db 13 ATATACGTGGAA 2
|||||

RESULT 641
ABC48791/C
ID ABC48791 standard; DNA; 13 BP.

XX

AC ABC48791;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 48808 for detecting SNP TSC0013866.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB0000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 48808; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 5 A; 2 C; 0 G; 6 T; 0 U; 0 Other;
XX
Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
QY 1403 AAAATTGTTAAT 1414
Db 13 AAGATTGTTAAT 2
XX
RESULT 642
ABC01284
ID ABC01284 standard; DNA; 13 BP.
XX
AC ABC01284;
XX
DT 20-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 1275 for detecting SNP TSC0000435.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.

XX 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB0000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 1275; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 4 A; 0 C; 3 G; 6 T; 0 U; 0 Other;
XX
Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
QY 1400 GGTAATAATTGTT 1411
Db 1 GGTAATAATTTT 12
XX
RESULT 643
ABF01132/C
ID ABF01132 standard; DNA; 13 BP.
XX
AC ABF01132;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 101129 for detecting SNP TSC0025162.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB0000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX

PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 101129; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 3 A; 0 C; 3 G; 7 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1434 CAGACATATACA 1445
Db 12 CAACATATACA 1

RESULT 644
ABC03654
ID ABC03654 standard; DNA; 13 BP.
XX
AC ABC03654;
XX
DT 20-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 3645 for detecting SNP TSC0001395.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 3645; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010

CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 8 A; 0 C; 2 G; 3 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1352 AAGAAAAATATT 1363
Db 2 AAGAGAAATATT 13

RESULT 645
ABF15352
ID ABF15352 standard; DNA; 13 BP.
XX
AC ABF15352;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 115349 for detecting SNP TSC0028921.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 115349; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 4 A; 0 C; 4 G; 5 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1449 AAGATGGGTTGA 1460


```

XX SQ Sequence 13 BP; 4 A; 6 C; 0 G; 3 T; 0 U; 0 Other;
      Query Match      8.0%; Score 10.4; DB 1; Length 13;
      Best Local Similarity 91.7%; Pred. No. 3.5e+02;
      Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1448 GAAGATGGGTTG 1459
Db 12 GATGATGGGTTG 1

RESULT 651
ABF38163/c
ID ABF38163 standard; DNA; 13 BP.
XX
AC ABF38163;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 138160 for detecting SNP TSC0034582.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
AC ABF38163;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 138160 for detecting SNP TSC0034582.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB0000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 138160; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
PS Claim 1; SEQ ID NO 138160; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 2 A; 2 C; 0 G; 9 T; 0 U; 0 Other;
      Query Match      8.0%; Score 10.4; DB 1; Length 13;
      Best Local Similarity 91.7%; Pred. No. 3.5e+02;
      Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1351 GAAGAAAAATAT 1362
Db 13 GAAAAAAATAT 2

RESULT 652
```

```

ABF93280/c
ID ABF93280 standard; DNA; 13 BP.
XX
AC ABF93280;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 193277 for detecting SNP TSC0047551.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB0000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 193277; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 4 A; 0 C; 1 G; 8 T; 0 U; 0 Other;
      Query Match      8.0%; Score 10.4; DB 1; Length 13;
      Best Local Similarity 91.7%; Pred. No. 3.5e+02;
      Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1353 AGAAAAATATTC 1364
Db 12 AAAAAAATATTC 1

RESULT 653
ABF44939/c
ID ABF44939 standard; DNA; 13 BP.
XX
AC ABF44939;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 144936 for detecting SNP TSC0036443.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
```

OS Homo sapiens.
XX WO200177384-A2.
PN
XX 18-OCT-2001.
PD
XX
PF 06-APR-2001; 2001WO-IB0000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
PI
XX WPI; 2001-657177/75.
DR
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 144936; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 5 A; 5 C; 0 G; 3 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1447 GGAAGATGGGTT 1458
Db 13 GGAAGATGGTT 2

RESULT 654
ABF96028/c
ID ABF96028 standard; DNA; 13 BP.
XX
AC ABF96028;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 196025 for detecting SNP TSC0048226.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB0000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;

XX WPI; 2001-657177/75.
DR
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 196025; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 4 A; 0 C; 1 G; 8 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1352 AAGAAAAATATT 1363
Db 12 AATAAAAATATT 1

RESULT 655
ABF46467/c
ID ABF46467 standard; DNA; 13 BP.
XX
AC ABF46467;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 146464 for detecting SNP TSC0036932.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB0000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 146464; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligomers are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
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CC ftp.wipo.int/pub/published_pct_sequences
XX

CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 1 A; 4 C; 0 G; 8 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1348 GGGGAAGAAAA 1359
Db 12 GGGAAAGAAAA 1

RESULT 656
ABH22458/c
ID ABH22458 standard; DNA; 13 BP.
XX
AC ABH22458;
XX
DT 22-FEB-2002 (first entry)
DE Oligonucleotide SEQ ID NO 222435 for detecting SNP TSC0054123.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 222435; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 2 A; 0 C; 5 G; 6 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;

QY 1399 AGGTAAATTTGT 1410
Db 12 AGGTAATATTGT 1

RESULT 658
ABF49887/c
ID ABF49887 standard; DNA; 13 BP.
XX
AC ABF49887;
XX

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;

QY 1434 CACACATATACA 1445
Db 12 CACACATATACA 1

RESULT 657
ABH22557/c
ID ABH22557 standard; DNA; 13 BP.
XX
AC ABH22557;
XX
DT 22-FEB-2002 (first entry)
DE Oligonucleotide SEQ ID NO 222534 for detecting SNP TSC0054144.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 222534; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 5 A; 3 C; 0 G; 5 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1399 AGGTAAATTTGT 1410
Db 12 AGGTAATATTGT 1

RESULT 658
ABF49887/c
ID ABF49887 standard; DNA; 13 BP.
XX
AC ABF49887;
XX

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;

DT 21-FEB-2002 (first entry)
XX Oligonucleotide SEQ ID NO 149884 for detecting SNP TSC0037822.
DE
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 149884; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
PS Sequence 13 BP; 3 A; 5 C; 0 G; 4 T; 0 U; 1 Other;
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1397 GGAGGTAAATT 1408
Db 13 GGAGGTAGATT 2

RESULT 659
ABH41840/c
ID ABH41840 standard; DNA; 13 BP.
XX
AC ABH41840;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 241817 for detecting SNP TSC0058966.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.

XX 06-APR-2001; 2001WO-IB000713.
PF
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 241817; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 4 A; 0 C; 2 G; 7 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1356 AAAATATTCCAC 1367
Db 13 AAAATATTCAAC 2

RESULT 660
ABH16873/c
ID ABH16873 standard; DNA; 13 BP.
XX
AC ABH16873;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 216850 for detecting SNP TSC0052703.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine

```
PT methylation status.
XX Claim 1; SEQ ID NO 216850; 29pp + Sequence Listing; German.
PS
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
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CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 7 A; 2 C; 0 G; 4 T; 0 U; 0 Other;
Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1407 TTGTTAATGATG 1418
DB 12 TTATTAATGATG 1
RESULT 661
ABH58876/c
ID ABH58876 standard; DNA; 13 BP.
XX
AC ABH58876;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 258853 for detecting SNP TSC0062910.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 258853; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
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CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 7 A; 2 C; 0 G; 4 T; 0 U; 0 Other;
Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1407 TTGTTAATGATG 1418
DB 12 TTATTAATGATG 1
RESULT 661
ABH58876/c
ID ABH58876 standard; DNA; 13 BP.
XX
AC ABH58876;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 258853 for detecting SNP TSC0062910.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
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PD 18-OCT-2001.
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PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
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PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
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PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 258853; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
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XX
SQ Sequence 13 BP; 7 A; 2 C; 0 G; 4 T; 0 U; 0 Other;
Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1407 TTGTTAATGATG 1418
DB 12 TTATTAATGATG 1
RESULT 662
ABH63383
ID ABH63383 standard; DNA; 13 BP.
XX
AC ABH63383;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 263360 for detecting SNP TSC0063865.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 263360; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
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XX
SQ Sequence 13 BP; 8 A; 2 C; 0 G; 3 T; 0 U; 0 Other;
Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1460 ATCAAGCAAATA 1471
DB 1 ATCAACAAATA 12
```

RESULT 663
ABC01285/c
ID ABC01285 standard; DNA; 13 BP.
XX
AC ABC01285;
XX
DT 20-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 1276 for detecting SNP TSC0000435.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
Set of oligonucleotides, useful for diagnosis and cell typing, is
designed to detect single-nucleotide polymorphisms and cytosine
methylation status.
XX
Claim 1; SEQ ID NO 1276; 29pp + Sequence Listing; German.
XX
This invention describes novel oligonucleotide primers or peptide nucleic
acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
and cytosine methylation status in chemically pretreated genomic DNA. The
oligonucleotides are used for diagnosis and/or prognosis of cancer and a
range of diseases including immune system, gastrointestinal, respiratory,
central nervous system, cardiovascular and metabolic disorders. The
oligonucleotides are also used for detecting cell type differentiation. ABC00010
-ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
represent the oligomers described in the invention. NOTE: The sequence
data for this patent did not form part of the printed specification, but
was obtained in electronic format from WIPO at
ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 6 A; 3 C; 0 G; 4 T; 0 U; 0 Other;
XX
Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1400 GGTAATAATTGTT 1411
Db 13 GGTAATAATTTT 2
RESULT 664
ABC27554/c
ID ABC27554 standard; DNA; 13 BP.
XX
AC ABC27554;
XX
DT 20-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 27571 for detecting SNP TSC0007678.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;

KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
Set of oligonucleotides, useful for diagnosis and cell typing, is
designed to detect single-nucleotide polymorphisms and cytosine
methylation status.
XX
Claim 1; SEQ ID NO 27571; 29pp + Sequence Listing; German.
XX
This invention describes novel oligonucleotide primers or peptide nucleic
acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
and cytosine methylation status in chemically pretreated genomic DNA. The
oligonucleotides are used for diagnosis and/or prognosis of cancer and a
range of diseases including immune system, gastrointestinal, respiratory,
central nervous system, cardiovascular and metabolic disorders. The
oligonucleotides are also used for detecting cell type differentiation. ABC00010
-ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
represent the oligomers described in the invention. NOTE: The sequence
data for this patent did not form part of the printed specification, but
was obtained in electronic format from WIPO at
ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 3 A; 0 C; 3 G; 7 T; 0 U; 0 Other;
XX
Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1435 AGACATATACAT 1446
Db 13 AAACATATACAT 2
RESULT 665
ABC77719/c
ID ABC77719 standard; DNA; 13 BP.
XX
AC ABC77719;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 77736 for detecting SNP TSC0019794.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX

PA (EPIG-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
PI WPI; 2001-657177/75.
XX
DR Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
PT
XX Claim 1; SEQ ID NO 77736; 29pp + Sequence Listing; German.
PS
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 6 A; 2 C; 0 G; 5 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1406 ATTGTTAATGAT 1417
Db 12 ATTATTAATGAT 1

RESULT 666
ABC03657/c
ID ABC03657 standard; DNA; 13 BP.
XX
AC ABC03657;
XX
DT 20-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 3648 for detecting SNP TSC0001395.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 3648; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic

CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 4 A; 1 C; 0 G; 8 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1352 AAGAAAAATATT 1363
Db 12 AAGATAATATT 1

RESULT 667
ABC58964
ID ABC58964 standard; DNA; 13 BP.
XX
AC ABC58964;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 58981 for detecting SNP TSC0015803.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 58981; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 8 A; 0 C; 3 G; 1 T; 0 U; 1 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1349 GGAAGAGAAAAAT 1360
||||| |||||
Db 1 GGAAGAGAAAAAT 12

RESULT 668
ABC41098
ID ABC41098 standard; DNA; 13 BP.
XX
AC ABC41098;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 41115 for detecting SNP TSC0012387.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.

XX (EPIG-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.

XX Claim 1; SEQ ID NO 41115; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences

XX Sequence 13 BP; 6 A; 0 C; 3 G; 4 T; 0 U; 0 Other;
XX
XX Query Match 8.0%; Score 10.4; DB 1; Length 13;
XX Best Local Similarity 91.7%; Pred. No. 3.5e+02;
XX Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1439 ATATACATGGAA 1450
||||| |||||
Db 1 ATATACATGGAA 12

RESULT 669
ABC91954/c
ID ABC91954 standard; DNA; 13 BP.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences

XX Sequence 13 BP; 6 A; 0 C; 3 G; 4 T; 0 U; 0 Other;
XX
XX Query Match 8.0%; Score 10.4; DB 1; Length 13;
XX Best Local Similarity 91.7%; Pred. No. 3.5e+02;
XX Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1439 ATATACATGGAA 1450
||||| |||||
Db 1 ATATACATGGAA 12

RESULT 669
ABC91954/c
ID ABC91954 standard; DNA; 13 BP.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences

XX ABC91954;
AC
XX 21-FEB-2002 (first entry)
DT
DE Oligonucleotide SEQ ID NO 91971 for detecting SNP TSC0023002.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.

XX (EPIG-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.

XX Claim 1; SEQ ID NO 91971; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences

XX Sequence 13 BP; 3 A; 0 C; 2 G; 8 T; 0 U; 0 Other;
XX
XX Query Match 8.0%; Score 10.4; DB 1; Length 13;
XX Best Local Similarity 91.7%; Pred. No. 3.5e+02;
XX Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1355 AAAAATATTTCCA 1366
||||| |||||
Db 12 AAAAATATTTCAA 1

RESULT 670
ABF70195
ID ABF70195 standard; DNA; 13 BP.
XX
AC ABF70195;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 170192 for detecting SNP TSC0042491.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX

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PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB0000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 170192; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 7 A; 2 C; 0 G; 4 T; 0 U; 0 Other;

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1435 AGACATATACAT 1446
Db 1 AAACATATACAT 12

RESULT 671
ABF46466
ID ABF46466 standard; DNA; 13 BP.
XX
AC ABF46466;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 146463 for detecting SNP TSC0036932.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB0000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.

Set of oligonucleotides, useful for diagnosis and cell typing, is
designed to detect single-nucleotide polymorphisms and cytosine
methylation status.

Claim 1; SEQ ID NO 170192; 29pp + Sequence Listing; German.

This invention describes novel oligonucleotide primers or peptide nucleic
acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
and cytosine methylation status in chemically pretreated genomic DNA. The
oligonucleotides are used for diagnosis and/or prognosis of cancer and a
range of diseases including immune system, gastrointestinal, respiratory,
central nervous system, cardiovascular and metabolic disorders. The
oligomers are also used for detecting cell type differentiation. ABC00010
-ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
represent the oligomers described in the invention. NOTE: The sequence
data for this patent did not form part of the printed specification, but
was obtained in electronic format from WIPO at
ftp.wipo.int/pub/published_pct_sequences

Sequence 13 BP; 7 A; 2 C; 0 G; 4 T; 0 U; 0 Other;

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1435 AGACATATACAT 1446
Db 1 AAACATATACAT 12

RESULT 671
ABF46466
ID ABF46466 standard; DNA; 13 BP.
XX
AC ABF46466;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 146463 for detecting SNP TSC0036932.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB0000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
```

```
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 146463; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 8 A; 0 C; 4 G; 1 T; 0 U; 0 Other;

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1348 GGGGAAGAAAAA 1359
Db 2 GGGGAAGAAAAA 13

RESULT 672
ABF71863
ID ABF71863 standard; DNA; 13 BP.
XX
AC ABF71863;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 171860 for detecting SNP TSC0042837.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB0000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.

Set of oligonucleotides, useful for diagnosis and cell typing, is
designed to detect single-nucleotide polymorphisms and cytosine
methylation status.

Claim 1; SEQ ID NO 171860; 29pp + Sequence Listing; German.

This invention describes novel oligonucleotide primers or peptide nucleic
acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
and cytosine methylation status in chemically pretreated genomic DNA. The
oligonucleotides are used for diagnosis and/or prognosis of cancer and a
range of diseases including immune system, gastrointestinal, respiratory,
central nervous system, cardiovascular and metabolic disorders. The
```

CC	oligomers are also used for detecting cell type differentiation. ABC00010	QY	1373	ACGAGCGATCGT	1384
CC	-ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073	Db	1	ATGAGCGATCGT	12
CC	represent the oligomers described in the invention. NOTE: The sequence				
CC	data for this patent did not form part of the printed specification, but				
CC	was obtained in electronic format from WIPO at				
CC	ftp.wipo.int/pub/published_pct_sequences				
XX					
SQ	Sequence 13 BP; 7 A; 1 C; 0 G; 5 T; 0 U; 0 Other;				
	Query Match 8.0%; Score 10.4; DB 1; Length 13;				
	Best Local Similarity 91.7%; Pred. No. 3.5e+02;				
	Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;				
QY	1402 TAAAAATTGTTAA 1413				
Db	2 TAAAAATTATTAA 13				
RESULT 673					
ABF47960					
ID	ABF47960 standard; DNA; 13 BP.				
XX					
AC	ABF47960;				
XX					
DT	21-FEB-2002 (first entry)				
XX					
DE	Oligonucleotide SEQ ID NO 147957 for detecting SNP TSC0037358.				
XX					
KW	SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;				
KW	peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;				
KW	central nervous system; gastrointestinal; respiratory; immune; metabolic.				
XX					
OS	Homo sapiens.				
XX					
PN	WO200177384-A2.				
XX					
AC	ABF47960;				
XX					
DT	21-FEB-2002 (first entry)				
XX					
DE	Oligonucleotide SEQ ID NO 147957 for detecting SNP TSC0037358.				
XX					
KW	SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;				
KW	peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;				
KW	central nervous system; gastrointestinal; respiratory; immune; metabolic.				
XX					
OS	Homo sapiens.				
XX					
PN	WO200177384-A2.				
XX					
PD	18-OCT-2001.				
XX					
PF	06-APR-2001; 2001WO-IB000713.				
XX					
PR	07-APR-2000; 2000DE-01019173.				
XX					
PA	(EPIG-) EPIGENOMICS AG.				
XX					
PI	Olek A, Piepenbrock C, Berlin K;				
XX					
DR	WPI; 2001-657177/75.				
XX					
PN	WO200177384-A2.				
XX					
PD	18-OCT-2001.				
XX					
PF	06-APR-2001; 2001WO-IB000713.				
XX					
PR	07-APR-2000; 2000DE-01019173.				
XX					
PA	(EPIG-) EPIGENOMICS AG.				
XX					
PI	Olek A, Piepenbrock C, Berlin K;				
XX					
DR	WPI; 2001-657177/75.				
XX					
PT	Set of oligonucleotides, useful for diagnosis and cell typing, is				
PT	designed to detect single-nucleotide polymorphisms and cytosine				
PT	methylation status.				
XX					
PS	Claim 1; SEQ ID NO 147957; 29pp + Sequence Listing; German.				
XX					
CC	This invention describes novel oligonucleotide primers or peptide nucleic				
CC	acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)				
CC	and cytosine methylation status in chemically pretreated genomic DNA. The				
CC	oligonucleotides are used for diagnosis and/or prognosis of cancer and a				
CC	range of diseases including immune system, gastrointestinal, respiratory,				
CC	central nervous system, cardiovascular and metabolic disorders. The				
CC	oligomers are also used for detecting cell type differentiation. ABC00010				
CC	-ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073				
CC	represent the oligomers described in the invention. NOTE: The sequence				
CC	data for this patent did not form part of the printed specification, but				
CC	was obtained in electronic format from WIPO at				
CC	ftp.wipo.int/pub/published_pct_sequences				
XX					
SQ	Sequence 13 BP; 3 A; 2 C; 5 G; 3 T; 0 U; 0 Other;				
	Query Match 8.0%; Score 10.4; DB 1; Length 13;				
	Best Local Similarity 91.7%; Pred. No. 3.5e+02;				
	Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;				
QY	1355 AAAAAATATTCCA 1366				
Db	12 AAAAAATATTACA 1				
RESULT 675					
ABF50065/c					
ID	ABF50065 standard; DNA; 13 BP.				
XX					
AC	ABF50065;				
XX					
DT	21-FEB-2002 (first entry)				
XX					

DE Oligonucleotide SEQ ID NO 150062 for detecting SNP TSC0037873.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;

KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;

KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX

OS Homo sapiens.

XX

PN WO200177384-A2.

XX

XX 18-OCT-2001.

PD

XX

PF 06-APR-2001; 2001WO-IB0000713.

XX

XX 07-APR-2000; 2000DE-01019173.

PR

XX (EPIG-) EPIGENOMICS AG.

PA

XX Olek A, Piepenbrock C, Berlin K;

PI WPI; 2001-657177/75.

XX

DR Set of oligonucleotides, useful for diagnosis and cell typing, is

XX designed to detect single-nucleotide polymorphisms and cytosine

XX methylation status.

XX

PS Claim 1; SEQ ID NO 150062; 29pp + Sequence Listing; German.

XX

CC This invention describes novel oligonucleotide primers or peptide nucleic

CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)

CC and cytosine methylation status in chemically pretreated genomic DNA. The

CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a

CC range of diseases including immune system, gastrointestinal, respiratory,

CC central nervous system, cardiovascular and metabolic disorders. The

CC oligomers are also used for detecting cell type differentiation. ABC00010

CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073

CC represent the oligomers described in the invention. NOTE: The sequence

CC data for this patent did not form part of the printed specification, but

CC was obtained in electronic format from WIPO at

CC ftp.wipo.int/pub/published_pct_sequences

XX

XX Sequence 13 BP; 7 A; 1 C; 0 G; 5 T; 0 U; 0 Other;

SQ

Query Match 8.0%; Score 10.4; DB 1; Length 13;

Best Local Similarity 91.7%; Pred. No. 3.5e+02;

Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1401 GTAAATTTGTTA 1412

Db 13 GTAAATTTTTTA 2

RESULT 676

ABF51930/c

ID ABF51930 standard; DNA; 13 BP.

XX

AC ABF51930;

XX

XX 21-FEB-2002 (first entry)

DT

XX Oligonucleotide SEQ ID NO 151927 for detecting SNP TSC0038388.

DE

XX

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;

KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;

KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX

OS Homo sapiens.

XX

PN WO200177384-A2.

XX

XX 18-OCT-2001.

PD

XX

PF 06-APR-2001; 2001WO-IB0000713.

XX

XX 07-APR-2000; 2000DE-01019173.

PR

XX (EPIG-) EPIGENOMICS AG.

PA

XX Olek A, Piepenbrock C, Berlin K;

PI WPI; 2001-657177/75.

XX

DR Set of oligonucleotides, useful for diagnosis and cell typing, is

XX designed to detect single-nucleotide polymorphisms and cytosine

XX methylation status.

XX

PS Claim 1; SEQ ID NO 151927; 29pp + Sequence Listing; German.

XX

XX This invention describes novel oligonucleotide primers or peptide nucleic

CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)

CC and cytosine methylation status in chemically pretreated genomic DNA. The

CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a

CC range of diseases including immune system, gastrointestinal, respiratory,

CC central nervous system, cardiovascular and metabolic disorders. The

CC oligomers are also used for detecting cell type differentiation. ABC00010

CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073

CC represent the oligomers described in the invention. NOTE: The sequence

CC data for this patent did not form part of the printed specification, but

CC was obtained in electronic format from WIPO at

CC ftp.wipo.int/pub/published_pct_sequences

XX

XX Sequence 13 BP; 3 A; 0 C; 2 G; 8 T; 0 U; 0 Other;

SQ

Query Match 8.0%; Score 10.4; DB 1; Length 13;

Best Local Similarity 91.7%; Pred. No. 3.5e+02;

Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1353 AGAAAAATATTC 1364

Db 13 ACAAATATTC 2

RESULT 677

ABH28590

ID ABH28590 standard; DNA; 13 BP.

XX

AC ABH28590;

XX

XX 22-FEB-2002 (first entry)

DT

XX Oligonucleotide SEQ ID NO 228567 for detecting SNP TSC0055748.

DE

XX

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;

KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;

KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX

OS Homo sapiens.

XX

PN WO200177384-A2.

XX

XX 18-OCT-2001.

PD

XX

XX 06-APR-2001; 2001WO-IB0000713.

PF

XX 07-APR-2000; 2000DE-01019173.

PR

XX (EPIG-) EPIGENOMICS AG.

PA

XX Olek A, Piepenbrock C, Berlin K;

PI WPI; 2001-657177/75.

XX

XX Set of oligonucleotides, useful for diagnosis and cell typing, is

XX designed to detect single-nucleotide polymorphisms and cytosine

XX methylation status.

XX

PS Claim 1; SEQ ID NO 228567; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP) and cytosine methylation status in chemically pretreated genomic DNA. The oligonucleotides are used for diagnosis and/or prognosis of cancer and a range of diseases including immune system, gastrointestinal, respiratory, central nervous system, cardiovascular and metabolic disorders. The oligomers are also used for detecting cell type differentiation. ABC00010 -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073 represent the oligomers described in the invention. NOTE: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format from WIPO at ftp.wipo.int/pub/published_pct_sequences

SQ Sequence 13 BP; 6 A; 0 C; 3 G; 4 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1396 AGGAGGTAAAT 1407
||| ||||| |||
Db 2 AGTAGGTAAAT 13

RESULT 678
ABF53908/c
ID ABF53908 standard; DNA; 13 BP.
XX
AC ABF53908;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 153905 for detecting SNP TSC0038907.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 153905 for detecting SNP TSC0038907.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is designed to detect single-nucleotide polymorphisms and cytosine methylation status.
XX
PS Claim 1; SEQ ID NO 153905; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP) and cytosine methylation status in chemically pretreated genomic DNA. The oligonucleotides are used for diagnosis and/or prognosis of cancer and a range of diseases including immune system, gastrointestinal, respiratory, central nervous system, cardiovascular and metabolic disorders. The oligomers are also used for detecting cell type differentiation. ABC00010 -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073 represent the oligomers described in the invention. NOTE: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format from WIPO at

CC ftp.wipo.int/pub/published_pct_sequences

XX

SQ Sequence 13 BP; 3 A; 0 C; 1 G; 9 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1355 AAAAATATTCCA 1366
||||| |||
Db 12 AAAAATATTACA 1

RESULT 679
ABH07449/c
ID ABH07449 standard; DNA; 13 BP.
XX
AC ABH07449;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 207426 for detecting SNP TSC0004531.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is designed to detect single-nucleotide polymorphisms and cytosine methylation status.
XX
PS Claim 1; SEQ ID NO 207426; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP) and cytosine methylation status in chemically pretreated genomic DNA. The oligonucleotides are used for diagnosis and/or prognosis of cancer and a range of diseases including immune system, gastrointestinal, respiratory, central nervous system, cardiovascular and metabolic disorders. The oligomers are also used for detecting cell type differentiation. ABC00010 -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073 represent the oligomers described in the invention. NOTE: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format from WIPO at ftp.wipo.int/pub/published_pct_sequences

XX

SQ Sequence 13 BP; 2 A; 5 C; 0 G; 6 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1348 GGGGAAGAAAAA 1359
||||| |||
Db 12 GGGGAAGTAAAA 1

XX OS Homo sapiens.
XX ABF58580 standard; DNA; 13 BP.
XX ID ABF58580 standard; DNA; 13 BP.
XX AC ABF58580;
XX DT 21-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 158577 for detecting SNP TSC0039915.
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PS Claim 1; SEQ ID NO 214400; 29pp + Sequence Listing; German.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX PS Claim 1; SEQ ID NO 214400; 29pp + Sequence Listing; German.
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX SQ Sequence 13 BP; 5 A; 1 C; 0 G; 7 T; 0 U; 0 Other;
Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1352 AAGAAAAATATT 1363
Db 13 AAGAATAATATT 2
RESULT 682
ABH60057/c
ID ABH60057 standard; DNA; 13 BP.
XX AC ABH60057;
XX DT 22-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 260034 for detecting SNP TSC0007828.
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.

RESULT 680
ABF58580
ID ABF58580 standard; DNA; 13 BP.
XX AC ABF58580;
XX DT 21-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 158577 for detecting SNP TSC0039915.
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PS Claim 1; SEQ ID NO 158577; 29pp + Sequence Listing; German.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX PS Claim 1; SEQ ID NO 158577; 29pp + Sequence Listing; German.
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX SQ Sequence 13 BP; 7 A; 1 C; 1 G; 4 T; 0 U; 0 Other;
Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1402 TAAAATCGTTAA 1413
Db 1 TAAAATCGTTAA 12
RESULT 681
ABH14423/c
ID ABH14423 standard; DNA; 13 BP.
XX AC ABH14423;
XX DT 22-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 214400 for detecting SNP TSC0052153.
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1447 GGAAGATGGGTT 1458
Db 1 GGAAGTGGGTT 12
|||||

RESULT 685
ABC40793/C
ID ABC40793 standard; DNA; 13 BP.
XX
AC ABC40793;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 40810 for detecting SNP TSC0012339.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 40810; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 0 A; 5 C; 0 G; 8 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1347 AGGGGAAGAAAA 1358
Db 12 AGGGGAAGAAAA 1
|||||

RESULT 686
ABC40997/C
ID ABC40997 standard; DNA; 13 BP.
XX
AC ABC40997;

XX 21-FEB-2002 (first entry)
XX Oligonucleotide SEQ ID NO 41014 for detecting SNP TSC0012376.
DE
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 41014; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 3 A; 1 C; 0 G; 9 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1352 AAGAAAAATATT 1363
Db 13 AAAAAAATATT 2
|||||

RESULT 687
ABF17060
ID ABF17060 standard; DNA; 13 BP.
XX
AC ABF17060;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 117057 for detecting SNP TSC0029297.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX

PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
PA
XX Olek A, Piepenbrock C, Berlin K;
PI
XX WPI; 2001-657177/75.
DR
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 117057; 29pp + Sequence Listing; German.
PS
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 7 A; 1 C; 3 G; 2 T; 0 U; 0 Other;
SQ
Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1394 AAAGGAGGTAAA 1405
Db 1 AAAGGACGTAAA 12
RESULT 688
ABF26932
ID ABF26932 standard; DNA; 13 BP.
XX
XX ABF26932;
AC
XX 21-FEB-2002 (first entry)
DT
XX Oligonucleotide SEQ ID NO 126929 for detecting SNP TSC0031761.
DE
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
OS
XX WO200177384-A2.
PN
XX 18-OCT-2001.
PD
XX 06-APR-2001; 2001WO-IB000713.
PF
XX 07-APR-2000; 2000DE-01019173.
PR
XX (EPIG-) EPIGENOMICS AG.
PA
XX Olek A, Piepenbrock C, Berlin K;
PI
XX WPI; 2001-657177/75.
DR
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT

PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 126929; 29pp + Sequence Listing; German.
PS
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 6 A; 0 C; 2 G; 5 T; 0 U; 0 Other;
SQ
Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1404 AAATTGTTAATG 1415
Db 2 AAATAGTTAATG 13
RESULT 689
ABH20192
ID ABH20192 standard; DNA; 13 BP.
XX
XX ABH20192;
AC
XX 22-FEB-2002 (first entry)
DT
XX Oligonucleotide SEQ ID NO 220169 for detecting SNP TSC0053577.
DE
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
OS
XX WO200177384-A2.
PN
XX 18-OCT-2001.
PD
XX 06-APR-2001; 2001WO-IB000713.
PF
XX 07-APR-2000; 2000DE-01019173.
PR
XX (EPIG-) EPIGENOMICS AG.
PA
XX Olek A, Piepenbrock C, Berlin K;
PI
XX WPI; 2001-657177/75.
DR
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 220169; 29pp + Sequence Listing; German.
PS
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 6 A; 0 C; 2 G; 5 T; 0 U; 0 Other;
SQ

```
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 6 A; 0 C; 6 G; 1 T; 0 U; 0 Other;

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1395 AAGGAGGTAAAA 1406
    ||||| |||||
Db 1 AAGGGGGTAAAA 12

RESULT 690
ABF97455/c
ID ABF97455 standard; DNA; 13 BP.
XX
AC ABF97455;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 197452 for detecting SNP TSC0048601.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB0000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
Set of oligonucleotides, useful for diagnosis and cell typing, is
designed to detect single-nucleotide polymorphisms and cytosine
methylation status.
XX
Claim 1; SEQ ID NO 197452; 29pp + Sequence Listing; German.
XX
This invention describes novel oligonucleotide primers or peptide nucleic
acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
and cytosine methylation status in chemically pretreated genomic DNA. The
oligonucleotides are used for diagnosis and/or prognosis of cancer and a
range of diseases including immune system, gastrointestinal, respiratory,
central nervous system, cardiovascular and metabolic disorders. The
oligomers are also used for detecting cell type differentiation. ABC00010
-ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
represent the oligomers described in the invention. NOTE: The sequence
data for this patent did not form part of the printed specification, but
was obtained in electronic format from WIPO at
ftp.wipo.int/pub/published_pct_sequences
XX
Sequence 13 BP; 6 A; 2 C; 0 G; 5 T; 0 U; 0 Other;

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1408 TGTTAATGATGA 1419
    ||||| |||||
```

```
Db 13 TTTTAATGATGA 2

RESULT 691
ABF72949/c
ID ABF72949 standard; DNA; 13 BP.
XX
AC ABF72949;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 172946 for detecting SNP TSC0043092.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB0000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
Set of oligonucleotides, useful for diagnosis and cell typing, is
designed to detect single-nucleotide polymorphisms and cytosine
methylation status.
XX
Claim 1; SEQ ID NO 172946; 29pp + Sequence Listing; German.
XX
This invention describes novel oligonucleotide primers or peptide nucleic
acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
and cytosine methylation status in chemically pretreated genomic DNA. The
oligonucleotides are used for diagnosis and/or prognosis of cancer and a
range of diseases including immune system, gastrointestinal, respiratory,
central nervous system, cardiovascular and metabolic disorders. The
oligomers are also used for detecting cell type differentiation. ABC00010
-ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
represent the oligomers described in the invention. NOTE: The sequence
data for this patent did not form part of the printed specification, but
was obtained in electronic format from WIPO at
ftp.wipo.int/pub/published_pct_sequences
XX
Sequence 13 BP; 5 A; 1 C; 0 G; 7 T; 0 U; 0 Other;

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1352 AAGAAAAATATT 1363
    ||||| |||||
Db 12 AAGATAAATATT 1

RESULT 692
ABF48009
ID ABF48009 standard; DNA; 13 BP.
XX
AC ABF48009;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 148006 for detecting SNP TSC0037367.
XX
```

KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
DR
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 148006; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 7 A; 3 C; 0 G; 3 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1355 AAAAATATTTCCA 1366
Db 1 AAAAATCTTCCA 12

RESULT 693
ID ABF53540 standard; DNA; 13 BP.
XX
AC ABF53540;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 153537 for detecting SNP TSC0038815.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.

XX (EPIG-) EPIGENOMICS AG.
PA Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
DR
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 153537; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 3 A; 0 C; 5 G; 5 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1448 GAAGATGGGTTG 1459
Db 2 GAAGATGGGTTG 13

RESULT 694
ID ABH34871/c
XX
AC ABH34871;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 234848 for detecting SNP TSC0057330.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
DR
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 234848; 29pp + Sequence Listing; German.
XX

CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences

SQ Sequence 13 BP; 4 A; 2 C; 0 G; 7 T; 0 U; 0 Other;
Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1401 GTAAATTTGTTA 1412
|||||
Db 12 GTAAATATGTTA 1

RESULT 695
ABH14422
ID ABH14422 standard; DNA; 13 BP.
XX
AC ABH14422;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 214399 for detecting SNP TSC0052153.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX Homo sapiens.
OS
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.

XX 06-APR-2001; 2001WO-IB0000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.

PS Claim 1; SEQ ID NO 214399; 29pp + Sequence Listing; German.

XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences

SQ Sequence 13 BP; 7 A; 0 C; 1 G; 5 T; 0 U; 0 Other;
Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1352 AAGAAAAATATT 1363
|||||
Db 1 AAGATAATATT 12

RESULT 696
ABF89805
ID ABF89805 standard; DNA; 13 BP.
XX
AC ABF89805;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 189802 for detecting SNP TSC0046704.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX Homo sapiens.
OS
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.

XX 06-APR-2001; 2001WO-IB0000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.

XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.

PS Claim 1; SEQ ID NO 189802; 29pp + Sequence Listing; German.

XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences

SQ Sequence 13 BP; 6 A; 4 C; 0 G; 3 T; 0 U; 0 Other;
Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1356 AAAATATTCCAC 1367
|||||
Db 1 ACAATATTCCAC 12

RESULT 697
ABH57680/c


```
XX ABH57680 standard; DNA; 13 BP.
XX AC ABH57680;
XX DT 22-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 257657 for detecting SNP TSC0062680.
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX DR WPI; 2001-657177/75.
XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
XX PT designed to detect single-nucleotide polymorphisms and cytosine
XX PT methylation status.
XX PS Claim 1; SEQ ID NO 257657; 29pp + Sequence Listing; German.
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
XX CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX CC and cytosine methylation status in chemically pretreated genomic DNA. The
XX CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX CC range of diseases including immune system, gastrointestinal, respiratory,
XX CC central nervous system, cardiovascular and metabolic disorders. The
XX CC oligomers are also used for detecting cell type differentiation. ABC00010
XX CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX CC represent the oligomers described in the invention. NOTE: The sequence
XX CC data for this patent did not form part of the printed specification, but
XX CC was obtained in electronic format from WIPO at
XX CC ftp.wipo.int/pub/published_pct_sequences
XX SQ Sequence 13 BP; 4 A; 0 C; 2 G; 7 T; 0 U; 0 Other;
XX Query Match 8.0%; Score 10.4; DB 1; Length 13;
XX Best Local Similarity 91.7%; Pred. No. 3.5e+02;
XX Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1355 AAAAATATTCCA 1366
Db 12 AATAATATTCCA 1
RESULT 698
ABH58877
XX ID ABH58877 standard; DNA; 13 BP.
XX AC ABH58877;
XX DT 22-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 258854 for detecting SNP TSC0062910.
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
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XX WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX DR WPI; 2001-657177/75.
XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
XX PT designed to detect single-nucleotide polymorphisms and cytosine
XX PT methylation status.
XX PS Claim 1; SEQ ID NO 258854; 29pp + Sequence Listing; German.
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
XX CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX CC and cytosine methylation status in chemically pretreated genomic DNA. The
XX CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX CC range of diseases including immune system, gastrointestinal, respiratory,
XX CC central nervous system, cardiovascular and metabolic disorders. The
XX CC oligomers are also used for detecting cell type differentiation. ABC00010
XX CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX CC represent the oligomers described in the invention. NOTE: The sequence
XX CC data for this patent did not form part of the printed specification, but
XX CC was obtained in electronic format from WIPO at
XX CC ftp.wipo.int/pub/published_pct_sequences
XX SQ Sequence 13 BP; 8 A; 1 C; 0 G; 4 T; 0 U; 0 Other;
XX Query Match 8.0%; Score 10.4; DB 1; Length 13;
XX Best Local Similarity 91.7%; Pred. No. 3.5e+02;
XX Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1355 AAAAATATTCCA 1366
Db 2 AAAAATATTCTA 13
RESULT 699
ABC42351
XX ID ABC42351 standard; DNA; 13 BP.
XX AC ABC42351;
XX DT 21-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 42368 for detecting SNP TSC0012640.
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX XX
```

DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 42368; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 5 A; 4 C; 0 G; 4 T; 0 U; 0 Other;
XX
Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1385 CTTCTGATCAAA 1396
Db 2 CTTCTCATCAAA 13
RESULT 700
ABC20168/c
ID ABC20168 standard; DNA; 13 BP.
XX
AC ABC20168;
XX
DT 20-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 20185 for detecting SNP TSC0004139.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
DT 20-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 20185 for detecting SNP TSC0004139.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 20185; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,

CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 2 A; 0 C; 2 G; 9 T; 0 U; 0 Other;
XX
Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1460 ATCAAGCAAATA 1471
Db 13 ATCAACAAATA 2
RESULT 701
ABC32536
ID ABC32536 standard; DNA; 13 BP.
XX
AC ABC32536;
XX
DT 20-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 32553 for detecting SNP TSC0010157.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 32553; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 7 A; 0 C; 3 G; 3 T; 0 U; 0 Other;
XX
Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

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QY 1351 GAAGAAAAATAT 1362
    |||||
Db 2 GAAGAAAAGTAT 13
    |||||
RESULT 702
ABF22880
ID ABF22880 standard; DNA; 13 BP.
XX
AC ABF22880;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 122877 for detecting SNP TSC0030713.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 122877; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 6 A; 1 C; 1 G; 5 T; 0 U; 0 Other;
XX
Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1403 AAAATGTTAAT 1414
    |||||
Db 1 AAAATCGTTAAT 12
    |||||
RESULT 703
ABF32026/c
ID ABF32026 standard; DNA; 13 BP.
XX
AC ABF32026;
XX
DT 21-FEB-2002 (first entry)
XX
```

```
XX
DE Oligonucleotide SEQ ID NO 132023 for detecting SNP TSC0032951.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 132023; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 5 A; 0 C; 1 G; 7 T; 0 U; 0 Other;
XX
Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1355 AAAAATATTCCA 1366
    |||||
Db 12 AAAAATATTCTA 1
    |||||
RESULT 704
ABH17366
ID ABH17366 standard; DNA; 13 BP.
XX
AC ABH17366;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 217343 for detecting SNP TSC0052841.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
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PF 06-APR-2001; 2001WO-IB0000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 217343; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 6 A; 0 C; 6 G; 1 T; 0 U; 0 Other;
XX
Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1348 GGGGAAGAAAAA 1359
Db      2 GGGGAGAAAAA 13

RESULT 705
ABH20080
ID ABH20080 standard; DNA; 13 BP.
XX
AC ABH20080;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 220057 for detecting SNP TSC0053544.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB0000713.
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 217343; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 6 A; 0 C; 6 G; 1 T; 0 U; 0 Other;
XX
Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1348 GGGGAAGAAAAA 1359
Db      2 GGGGAGAAAAA 13

RESULT 705
ABH20080
ID ABH20080 standard; DNA; 13 BP.
XX
AC ABH20080;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 220057 for detecting SNP TSC0053544.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB0000713.
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 217343; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 4 A; 0 C; 5 G; 4 T; 0 U; 0 Other;
XX
Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1453 TGGGTTGATCAA 1464
Db      1 TGGGTTGATGAA 12

RESULT 706
ABF70734/c
ID ABF70734 standard; DNA; 13 BP.
XX
AC ABF70734;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 170731 for detecting SNP TSC0042589.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB0000713.
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 170731; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 4 A; 0 C; 5 G; 4 T; 0 U; 0 Other;
XX
Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1453 TGGGTTGATCAA 1464
Db      1 TGGGTTGATGAA 12
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CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 2 A; 1 C; 3 G; 7 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1460 ATCAAGCAAATA 1471
Db 12 ATCACGCAAATA 1
|||||
RESULT 707
ABF71862/c
ID ABF71862 standard; DNA; 13 BP.
XX
AC ABF71862;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 171859 for detecting SNP TSC0042837.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
PI Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 171859; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 5 A; 0 C; 1 G; 7 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1402 TAAAATTGTTAA 1413
Db 12 TAAAATTATTAA 1
|||||

RESULT 708
ABF49829/c
ID ABF49829 standard; DNA; 13 BP.
XX
AC ABF49829;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 149826 for detecting SNP TSC0037804.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
PI Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 149826; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 6 A; 2 C; 0 G; 5 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1403 AAAATTGTTAAT 1414
Db 13 AAAGTTGTTAAT 2
|||||
RESULT 709
ABF52801/c
ID ABF52801 standard; DNA; 13 BP.
XX
AC ABF52801;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 152798 for detecting SNP TSC0038616.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;

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KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX Homo sapiens.
OS WO200177384-A2.
XX 18-OCT-2001.
XX 06-APR-2001; 2001WO-IB000713.
XX 07-APR-2000; 2000DE-01019173.
XX (EPIG-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX Claim 1; SEQ ID NO 152798; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 4 A; 1 C; 0 G; 8 T; 0 U; 0 Other;
XX
XX Query Match 8.0%; Score 10.4; DB 1; Length 13;
XX Best Local Similarity 91.7%; Pred. No. 3.5e+02;
XX Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
QY 1403 AAAATTGTTAAT 1414
DB 13 AAAATTGTTAAT 2
|||||||
RESULTS 710
ABH06975/c
ID ABH06975 standard; DNA; 13 BP.
XX
XX ABH06975;
XX
XX 22-FEB-2002 (first entry)
XX
XX Oligonucleotide SEQ ID NO 206952 for detecting SNP TSC0050640.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
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XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX Claim 1; SEQ ID NO 206952; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 4 A; 1 C; 0 G; 8 T; 0 U; 0 Other;
XX
XX Query Match 8.0%; Score 10.4; DB 1; Length 13;
XX Best Local Similarity 91.7%; Pred. No. 3.5e+02;
XX Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
QY 1403 AAAATTGTTAAT 1414
DB 12 AAAATTGATAAT 1
|||||||
RESULTS 711
ABF82707/c
ID ABF82707 standard; DNA; 13 BP.
XX
XX ABF82707;
XX
XX 22-FEB-2002 (first entry)
XX
XX Oligonucleotide SEQ ID NO 182704 for detecting SNP TSC0045152.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX Claim 1; SEQ ID NO 182704; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
```

CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 6 A; 3 C; 0 G; 4 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1407 TTGTTAATGATG 1418
Db 13 TTGTTAATGAAG 2

RESULT 712
ABH46550/c
ID ABH46550 standard; DNA; 13 BP.

AC ABH46550;

XX 22-FEB-2002 (first entry)

DE Oligonucleotide SEQ ID NO 246527 for detecting SNP TSC0008909.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

OS Homo sapiens.

XX WO200177384-A2.

XX 18-OCT-2001.

PF 06-APR-2001; 2001WO-IB000713.

XX 07-APR-2000; 2000DE-01019173.

XX (EPIG-) EPIGENOMICS AG.

PI Olek A, Piepenbrock C, Berlin K;

XX WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.

PS Claim 1; SEQ ID NO 246527; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences

XX Sequence 13 BP; 2 A; 0 C; 2 G; 9 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1355 AAAAATATTCCA 1366
Db 13 AAAAATATACCA 2

RESULT 713
ABH53510/c
ID ABH53510 standard; DNA; 13 BP.

XX ABH53510;

XX 22-FEB-2002 (first entry)

DE Oligonucleotide SEQ ID NO 253487 for detecting SNP TSC0007617.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

OS Homo sapiens.

XX WO200177384-A2.

XX 18-OCT-2001.

PF 06-APR-2001; 2001WO-IB000713.

XX 07-APR-2000; 2000DE-01019173.

XX (EPIG-) EPIGENOMICS AG.

PI Olek A, Piepenbrock C, Berlin K;

XX WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.

PS Claim 1; SEQ ID NO 253487; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences

XX Sequence 13 BP; 3 A; 1 C; 5 G; 4 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1365 CACGCATCACGA 1376
Db 12 CACGCATCACTA 1

RESULT 714
ABH59028
ID ABH59028 standard; DNA; 13 BP.
XX

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AC ABH59028;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 259005 for detecting SNP TSC0062939.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
This invention describes novel oligonucleotide primers or peptide nucleic
acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
and cytosine methylation status in chemically pretreated genomic DNA. The
oligonucleotides are used for diagnosis and/or prognosis of cancer and a
range of diseases including immune system, gastrointestinal, respiratory,
central nervous system, cardiovascular and metabolic disorders. The
oligomers are also used for detecting cell type differentiation. ABC00010
-ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
represent the oligomers described in the invention. NOTE: The sequence
data for this patent did not form part of the printed specification, but
was obtained in electronic format from WIPO at
ftp.wipo.int/pub/published_pct_sequences
XX
PS Claim 1; SEQ ID NO 259005; 29pp + Sequence Listing; German.
XX
This invention describes novel oligonucleotide primers or peptide nucleic
acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
and cytosine methylation status in chemically pretreated genomic DNA. The
oligonucleotides are used for diagnosis and/or prognosis of cancer and a
range of diseases including immune system, gastrointestinal, respiratory,
central nervous system, cardiovascular and metabolic disorders. The
oligomers are also used for detecting cell type differentiation. ABC00010
-ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
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XX
SQ Sequence 13 BP; 7 A; 0 C; 5 G; 1 T; 0 U; 0 Other;
Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1347 AGGGGAAGAAAA 1358
Db ||||| |||
2 AGGGGAAGTAAA 13

RESULT 715
ABH60056
ID ABH60056 standard; DNA; 13 BP.
XX
AC ABH60056;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 260033 for detecting SNP TSC0007828.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
```

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XX 18-OCT-2001.
PD
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
Set of oligonucleotides, useful for diagnosis and cell typing, is
designed to detect single-nucleotide polymorphisms and cytosine
methylation status.
XX
PS Claim 1; SEQ ID NO 260033; 29pp + Sequence Listing; German.
XX
This invention describes novel oligonucleotide primers or peptide nucleic
acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
and cytosine methylation status in chemically pretreated genomic DNA. The
oligonucleotides are used for diagnosis and/or prognosis of cancer and a
range of diseases including immune system, gastrointestinal, respiratory,
central nervous system, cardiovascular and metabolic disorders. The
oligomers are also used for detecting cell type differentiation. ABC00010
-ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
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XX
SQ Sequence 13 BP; 4 A; 0 C; 4 G; 5 T; 0 U; 0 Other;
Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1404 AAATTGTTAATG 1415
Db | ||||| |||
2 AGATTGTTAATG 13

RESULT 716
ABH60296
ID ABH60296 standard; DNA; 13 BP.
XX
AC ABH60296;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 260273 for detecting SNP TSC0006237.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
```


PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 260273; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 6 A; 0 C; 3 G; 4 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1396 AGGAGGTAAAT 1407
Db 2 AGGATGTAAAT 13

RESULT 717
ABC44405/c
ID ABC44405 standard; DNA; 13 BP.
XX
AC ABC44405;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 44422 for detecting SNP TSC0013036.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 44422; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010

CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
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CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 7 A; 1 C; 0 G; 5 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1403 AAAATTGTTAAT 1414
Db 13 AAAATTGTTAT 2

RESULT 718
ABC23453
ID ABC23453 standard; DNA; 13 BP.
XX
AC ABC23453;
XX
DT 20-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 23470 for detecting SNP TSC0004976.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 23470; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 7 A; 3 C; 0 G; 3 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1355 AAAATATTCCA 1366

```
Db          ||||| 2 AAAAATATCCCA 13
RESULT 719
ABC58965/c
ID ABC58965 standard; DNA; 13 BP.
XX
AC ABC58965;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 58982 for detecting SNP TSC0015803.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB0000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 58982; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
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CC data for this patent did not form part of the printed specification, but
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CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 1 A; 3 C; 0 G; 8 T; 0 U; 1 Other;
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
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CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
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CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 1 A; 3 C; 0 G; 8 T; 0 U; 1 Other;
XX
Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1349 GGGAGAGAAAAAT 1360
Db 13 GGGAGAGAAAAAT 2
RESULT 720
ABF10760
ID ABF10760 standard; DNA; 13 BP.
XX
AC ABF10760;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 110757 for detecting SNP TSC0027637.
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```
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB0000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 110757; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
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XX
SQ Sequence 13 BP; 7 A; 0 C; 1 G; 5 T; 0 U; 0 Other;
XX
Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1352 AAGAAAAATATT 1363
Db 1 AAGAAAAATATT 12
RESULT 721
ABCL13614/c
ID ABC13614 standard; DNA; 13 BP.
XX
AC ABC13614;
XX
DT 20-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 13621 for detecting SNP TSC0003139.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB0000713.
XX
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PR 07-APR-2000; 2000DE-01019173.
XX (EPIG-) EPIGENOMICS AG.
PA Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 13621; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
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XX
SQ Sequence 13 BP; 4 A; 0 C; 2 G; 7 T; 0 U; 0 Other;
Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1356 AAAATATTCCAC 1367
Db 12 AAAATATTCAAC 1
RESULT 722
ABC41099/c
ID ABC41099 standard; DNA; 13 BP.
XX
AC ABC41099;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 41116 for detecting SNP TSC0012387.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
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PD 18-OCT-2001.
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PF 06-APR-2001; 2001WO-IB0000713.
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PR 07-APR-2000; 2000DE-01019173.
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PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX
DR Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX Claim 1; SEQ ID NO 41116; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
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SQ Sequence 13 BP; 4 A; 0 C; 2 G; 7 T; 0 U; 0 Other;
Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1356 AAAATATTCCAC 1367
Db 12 AAAATATTCAAC 1
RESULT 722
ABC41099/c
ID ABC41099 standard; DNA; 13 BP.
XX
AC ABC41099;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 41116 for detecting SNP TSC0012387.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
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PD 18-OCT-2001.
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PF 06-APR-2001; 2001WO-IB0000713.
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PR 07-APR-2000; 2000DE-01019173.
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XX Claim 1; SEQ ID NO 41116; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
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CC central nervous system, cardiovascular and metabolic disorders. The
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CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
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XX
SQ Sequence 13 BP; 4 A; 3 C; 0 G; 6 T; 0 U; 0 Other;
Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1439 ATATACATGGAA 1450
Db 13 ATATAGATGGAA 2
RESULT 723
ABF16369/c
ID ABF16369 standard; DNA; 13 BP.
XX
AC ABF16369;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 116366 for detecting SNP TSC0029134.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB0000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 116366; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
CC
```

XX SQ Sequence 13 BP; 6 A; 4 C; 0 G; 3 T; 0 U; 0 Other;
Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1452 ATGGGTTGATCA 1463
Db 12 ATGGGTTGATTA 1
RESULT 724
ABF17059/C
ID ABF17059 standard; DNA; 13 BP.
XX AC ABF17059;
XX DT 21-FEB-2002 (first entry)
XX Oligonucleotide SEQ ID NO 117056 for detecting SNP TSC0029297.
DE DE SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX DT 21-FEB-2002 (first entry)
XX Oligonucleotide SEQ ID NO 117056 for detecting SNP TSC0029297.
DE DE SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB0000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 117056; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX Sequence 13 BP; 3 A; 3 C; 0 G; 7 T; 0 U; 0 Other;
Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1394 AAAGGAGGTAAA 1405
Db 13 AAAGGATGTAAA 2
RESULT 725

ABF25130
ID ABF25130 standard; DNA; 13 BP.
XX AC ABF25130;
XX DT 21-FEB-2002 (first entry)
XX Oligonucleotide SEQ ID NO 125127 for detecting SNP TSC0031262.
DE DE SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB0000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 125127; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX Sequence 13 BP; 5 A; 0 C; 2 G; 5 T; 0 U; 1 Other;
Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1406 ATTGTTAATGAT 1417
Db 1 ATTGATAATGAT 12
RESULT 726
ABF37831
ID ABF37831 standard; DNA; 13 BP.
XX AC ABF37831;
XX DT 21-FEB-2002 (first entry)
XX Oligonucleotide SEQ ID NO 137828 for detecting SNP TSC0034453.
DE DE SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX

CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 7 A; 2 C; 0 G; 4 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1355 AAAAATATTCCA 1366
Db 1 AAAAATTTCCA 12

RESULT 729
ABF48008/c
ID ABF48008 standard; DNA; 13 BP.
XX
AC ABF48008;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 148005 for detecting SNP TSC0037367.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 148005; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 3 A; 0 C; 3 G; 7 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;

Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1355 AAAAATATTCCA 1366
Db 13 AAAAATCTTCCA 2

RESULT 730
ABH23902/c
ID ABH23902 standard; DNA; 13 BP.
XX
AC ABH23902;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 223879 for detecting SNP TSC0054529.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 223879; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 4 A; 0 C; 0 G; 9 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1352 AAGAAAAATATT 1363
Db 12 AAAAAAAATATT 1

RESULT 731
ABF50206/c
ID ABF50206 standard; DNA; 13 BP.
XX
AC ABF50206;
XX

DT 21-FEB-2002 (first entry)
XX Oligonucleotide SEQ ID NO 150203 for detecting SNP TSC0037911.
DE
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
XX WO200177384-A2.
PN
XX
XX 18-OCT-2001.
PD
XX
XX 06-APR-2001; 2001WO-IB000713.
PF
XX
XX 07-APR-2000; 2000DE-01019173.
PR
XX (EPIC-) EPIGENOMICS AG.
PA
XX Olek A, Piepenbrock C, Berlin K;
PI
XX WPI; 2001-657177/75.
DR
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 150203; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 3 A; 0 C; 1 G; 9 T; 0 U; 0 Other;
XX
Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
QY 1355 AAAAATATTCCA 1366
DB 13 AAAAATATTACA 2
XX
RESULT 732
ABH03122
ID ABH03122 standard; DNA; 13 BP.
XX
AC ABH03122;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 203099 for detecting SNP TSC0049882.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
XX WO200177384-A2.
PN
XX
XX 18-OCT-2001.
PD

XX 06-APR-2001; 2001WO-IB000713.
PF
XX 07-APR-2000; 2000DE-01019173.
PR
XX (EPIC-) EPIGENOMICS AG.
PA
XX Olek A, Piepenbrock C, Berlin K;
PI
XX WPI; 2001-657177/75.
DR
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 203099; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 6 A; 0 C; 1 G; 6 T; 0 U; 0 Other;
XX
Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
QY 1403 AAAATTGTTAAT 1414
DB 1 AAAATTGTTATT 12
XX
RESULT 733
ABF53541/c
ID ABF53541 standard; DNA; 13 BP.
XX
AC ABF53541;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 153538 for detecting SNP TSC0038815.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
XX WO200177384-A2.
PN
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIC-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine

PT methylation status.
XX
PS Claim 1; SEQ ID NO 153538; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 5 A; 5 C; 0 G; 3 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1448 GAAGATGGGTTG 1459
Db 12 GAAGATGGTGTG 1

RESULT 734
ABH07448
ID ABH07448 standard; DNA; 13 BP.
XX
AC ABH07448;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 207425 for detecting SNP TSC0004531.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB0000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 207425; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence

CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 6 A; 0 C; 5 G; 2 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1348 GCGGAAGAAAAA 1359
Db 2 GCGGAAGTAAAA 13

RESULT 735
ABF61204/c
ID ABF61204 standard; DNA; 13 BP.
XX
AC ABF61204;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 161201 for detecting SNP TSC0040584.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB0000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 161201; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 2 A; 0 C; 4 G; 7 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1434 CAGACATATACA 1445
Db 12 CACACATATACA 1


```
RESULT 736
ABC20169
ID ABC20169 standard; DNA; 13 BP.
XX
AC ABC20169;
XX
DT 20-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 20186 for detecting SNP TSC0004139.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPiG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
DR Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 20186; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 9 A; 2 C; 0 G; 2 T; 0 U; 0 Other;
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 9 A; 2 C; 0 G; 2 T; 0 U; 0 Other;
XX
Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1460 ATCAAGCAAATA 1471
Db 1 ATCAACAAATA 12

RESULT 737
ABC23452/c
ID ABC23452 standard; DNA; 13 BP.
XX
AC ABC23452;
XX
XX
DT 20-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 23469 for detecting SNP TSC0004976.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
```

```
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPiG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
DR Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 23469; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 3 A; 0 C; 3 G; 7 T; 0 U; 0 Other;
XX
Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1355 AAAAATATTCCA 1366
Db 12 AAAAATATCCCA 1

RESULT 738
ABC77718
ID ABC77718 standard; DNA; 13 BP.
XX
AC ABC77718;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 77735 for detecting SNP TSC0019794.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
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```
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 77735; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 5 A; 0 C; 2 G; 6 T; 0 U; 0 Other;

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1406 ATTGTTAATGAT 1417
Db 2 ATTATTAATGAT 13

RESULT 739
ABC54060/c
ID ABC54060 standard; DNA; 13 BP.
XX
AC ABC54060;
XX
DT 21-FEB-2002 (first entry)
DE Oligonucleotide SEQ ID NO 54077 for detecting SNP TSC0014866.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 54077; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 5 A; 0 C; 2 G; 6 T; 0 U; 0 Other;

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1406 ATTGTTAATGAT 1417
Db 2 ATTATTAATGAT 13

RESULT 739
ABC54060/c
ID ABC54060 standard; DNA; 13 BP.
XX
AC ABC54060;
XX
DT 21-FEB-2002 (first entry)
DE Oligonucleotide SEQ ID NO 54077 for detecting SNP TSC0014866.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 54077; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 5 A; 0 C; 2 G; 6 T; 0 U; 0 Other;

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1355 AAAAATATTCCA 1366
Db 12 AAAAATATTCCA 1

RESULT 740
ABC56661/c
ID ABC56661 standard; DNA; 13 BP.
XX
AC ABC56661;
XX
DT 21-FEB-2002 (first entry)
DE Oligonucleotide SEQ ID NO 56678 for detecting SNP TSC0015363.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 56678; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 8 A; 1 C; 0 G; 4 T; 0 U; 0 Other;
```

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1406 ATTGTTAATGAT 1417
Db 13 ATTGTTAATTAT 2
|||||

RESULT 741
ABC32537/c
ID ABC32537 standard; DNA; 13 BP.

AC ABC32537;
XX
DT 20-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 32554 for detecting SNP TSC0010157.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX OS Homo sapiens.
XX
PN WO200177384-A2.

XX PD 18-OCT-2001.

XX PF 06-APR-2001; 2001WO-IB000713.

XX PR 07-APR-2000; 2000DE-01019173.

XX PA (EPIG-) EPIGENOMICS AG.

XX PI Olek A, Piepenbrock C, Berlin K;

XX WPI; 2001-657177/75.

PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.

XX Claim 1; SEQ ID NO 32554; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences

XX Sequence 13 BP; 3 A; 3 C; 0 G; 7 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1351 GAGAGAAAATAT 1362
Db 12 GAGAGAAAGTAT 1
|||||

RESULT 742
ABC33430
ID ABC33430 standard; DNA; 13 BP.

XX ABC33430;
AC
XX 20-FEB-2002 (first entry)
DT

XX Oligonucleotide SEQ ID NO 33447 for detecting SNP TSC0010636.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX OS Homo sapiens.

XX PN WO200177384-A2.

XX PD 18-OCT-2001.

XX PF 06-APR-2001; 2001WO-IB000713.

XX PR 07-APR-2000; 2000DE-01019173.

XX PA (EPIG-) EPIGENOMICS AG.

XX PI Olek A, Piepenbrock C, Berlin K;

XX WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.

XX Claim 1; SEQ ID NO 33447; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences

XX Sequence 13 BP; 4 A; 0 C; 6 G; 3 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1398 GAGGTAAATTTG 1409
Db 1 GAGGTAAAGATTG 12
|||||

RESULT 743
ABC33431/c
ID ABC33431 standard; DNA; 13 BP.

XX ABC33431;

XX 20-FEB-2002 (first entry)

XX Oligonucleotide SEQ ID NO 33448 for detecting SNP TSC0010636.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX OS Homo sapiens.

```
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB0000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 33448; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 3 A; 6 C; 0 G; 4 T; 0 U; 0 Other;

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1398 GAGGTAAATTG 1409
Db 13 GAGGTAAGATTG 2

RESULT 744
ABC10549/C
ID ABC10549 standard; DNA; 13 BP.
XX
AC ABC10549;
XX
DT 20-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 10540 for detecting SNP TSC0002658.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB0000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 33448; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 3 A; 6 C; 0 G; 4 T; 0 U; 0 Other;

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1398 GAGGTAAATTG 1409
Db 13 GAGGTAAGATTG 2

RESULT 744
ABC10549/C
ID ABC10549 standard; DNA; 13 BP.
XX
AC ABC10549;
XX
DT 20-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 10540 for detecting SNP TSC0002658.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB0000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 33448; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 4 A; 2 C; 0 G; 7 T; 0 U; 0 Other;

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1352 AAGAAAAATATT 1363
Db 13 AAGAGAAATATT 2

RESULT 745
ABC62591/C
ID ABC62591 standard; DNA; 13 BP.
XX
AC ABC62591;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 62608 for detecting SNP TSC0016595.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB0000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 62608; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
```


CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC9989, ABF0010-ABF9989, ABH0010-ABH9989 and ABI0010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 3 A; 7 C; 0 G; 3 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1447 GGAAGATGGGTT 1458
Db 13 GGAAGGTGGGTT 2
|||||
ABF25131/c
ID ABF25131 standard; DNA; 13 BP.
XX
AC ABF25131;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 125128 for detecting SNP TSC0031262.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 125128; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC9989, ABF0010-ABF9989, ABH0010-ABH9989 and ABI0010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 5 A; 2 C; 0 G; 5 T; 0 U; 1 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1406 ATTGTTAATGAT 1417
Db 13 ATTGATAATGAT 2
|||||
RESULT 747
ABF70194/c
ID ABF70194 standard; DNA; 13 BP.
XX
AC ABF70194;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 170191 for detecting SNP TSC0042491.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 170191; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC9989, ABF0010-ABF9989, ABH0010-ABH9989 and ABI0010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 4 A; 0 C; 2 G; 7 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1435 AGACATATACAT 1446
Db 13 AAACATATACAT 2
|||||
RESULT 748
ABF70639/c
ID ABF70639 standard; DNA; 13 BP.
XX
AC ABF70639;
XX
DT 22-FEB-2002 (first entry)
XX

DE Oligonucleotide SEQ ID NO 170636 for detecting SNP TSC0042571.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB0000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
DR Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
PT
XX Claim 1; SEQ ID NO 170636; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF0010-ABF99989, ABH0010-ABH99989 and ABI0010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 2 A; 3 C; 0 G; 8 T; 0 U; 0 Other;
SQ
Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1441 ATACATGGAAGA 1452
Db 12 ATAAATGGAAGA 1
RESULT 749
ABH28235
ID ABH28235 standard; DNA; 13 BP.
XX
AC ABH28235;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 228212 for detecting SNP TSC004626.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB0000713.

XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
DR Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
PT
XX Claim 1; SEQ ID NO 228212; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF0010-ABF99989, ABH0010-ABH99989 and ABI0010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 9 A; 1 C; 0 G; 3 T; 0 U; 0 Other;
SQ
Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1353 AGAAAAATATTC 1364
Db 1 AAAAAAATATTC 12
RESULT 750
ABH28239
ID ABH28239 standard; DNA; 13 BP.
XX
AC ABH28239;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 228216 for detecting SNP TSC004626.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB0000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
DR Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
PT
XX

PS Claim 1; SEQ ID NO 228216; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 8 A; 1 C; 1 G; 3 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1353 AGAAAAATATTC 1364
Db 1 AAAAAATATTC 12

RESULT 751
ABF58577/C
ID ABF58577 standard; DNA; 13 BP.
XX
AC ABF58577;
XX
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 158574 for detecting SNP TSC0039915.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 158574 for detecting SNP TSC0039915.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 158574; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
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CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 4 A; 2 C; 0 G; 7 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1402 TAAAAATTGTAA 1413
Db 13 TAAAAATGGTTAA 2

RESULT 752
ABF91361
ID ABF91361 standard; DNA; 13 BP.
XX
AC ABF91361;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 191358 for detecting SNP TSC0047086.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 191358; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 5 A; 5 C; 0 G; 3 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1359 ATATTCACGCA 1370
Db 1 ATATTCACCCA 12

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RESULT 753
ABH41841
ID ABH41841 standard; DNA; 13 BP.
XX
AC ABH41841;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 241818 for detecting SNP TSC0058966.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 241818; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF0010-ABF99989, ABH0010-ABH99989 and ABI0010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 7 A; 2 C; 0 G; 4 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1356 AAAATATTCCAC 1367
Db 1 AAAATATTCAAC 12

RESULT 754
ABH62906/c
ID ABH62906 standard; DNA; 13 BP.
XX
AC ABH62906;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 262883 for detecting SNP TSC0063773.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
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XX Homo sapiens.
OS
XX WO200177384-A2.
PN
XX 18-OCT-2001.
PD
XX 06-APR-2001; 2001WO-IB000713.
PF
XX 07-APR-2000; 2000DE-01019173.
PR
XX (EPIG-) EPIGENOMICS AG.
PA
XX Olek A, Piepenbrock C, Berlin K;
PI
XX WPI; 2001-657177/75.
XX
DR Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
PT
XX Claim 1; SEQ ID NO 262883; 29pp + Sequence Listing; German.
PS
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF0010-ABF99989, ABH0010-ABH99989 and ABI0010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 2 A; 0 C; 4 G; 7 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1355 AAAAATATTCCA 1366
Db 12 AAAAATATCCCA 1

RESULT 755
ABH63382/c
ID ABH63382 standard; DNA; 13 BP.
XX
AC ABH63382;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 263359 for detecting SNP TSC0063865.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
```


PI Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
DR
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 263359; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC9989, ABF0010-ABF9989, ABH0010-ABH9989 and ABI0010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 3 A; 0 C; 2 G; 8 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1460 ATCAAGCAAATA 1471
Db 13 ATCAACAAATA 2

RESULT 756
ABC03650/C
ID ABC03650 standard; DNA; 13 BP.
XX
AC ABC03650;
XX
DT 20-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 3641 for detecting SNP TSC0001395.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 3641; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The

CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC9989, ABF0010-ABF9989, ABH0010-ABH9989 and ABI0010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 3 A; 0 C; 0 G; 10 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1352 AAGAAAAATATT 1363
Db 12 AAAAAAATATT 1

RESULT 757
ABC03656
ID ABC03656 standard; DNA; 13 BP.
XX
AC ABC03656;
XX
DT 20-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 3647 for detecting SNP TSC0001395.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 3647; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC9989, ABF0010-ABF9989, ABH0010-ABH9989 and ABI0010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 8 A; 0 C; 1 G; 4 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 13;

Query Match

Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1352 AAGAAAAAATATT 1363
Db 2 AAGAATAATATT 13

RESULT 758
ABC64527/c
ID ABC64527 standard; DNA; 13 BP.
XX
AC ABC64527;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 64544 for detecting SNP TSC0017022.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
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PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 64544; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC9989, ABF0010-ABF9989, ABH0010-ABH9989 and ABI0010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
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XX
SQ Sequence 13 BP; 3 A; 7 C; 0 G; 3 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1448 GAAGATGGGTG 1459
Db 12 GAGGATGGGTG 1

RESULT 759
ABC15930/c
ID ABC15930 standard; DNA; 13 BP.
XX
AC ABC15930;

XX
DT 20-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 15937 for detecting SNP TSC0003511.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
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PF 06-APR-2001; 2001WO-IB000713.
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PR 07-APR-2000; 2000DE-01019173.
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PI Olek A, Piepenbrock C, Berlin K;
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DR WPI; 2001-657177/75.
XX
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PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 15937; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
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CC -ABC9989, ABF0010-ABF9989, ABH0010-ABH9989 and ABI0010-ABI82073
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CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 3 A; 0 C; 4 G; 6 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1355 AAAAATATTCCA 1366
Db 12 ACAATATTCCA 1

RESULT 760
ABF16837
ID ABF16837 standard; DNA; 13 BP.
XX
AC ABF16837;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 116834 for detecting SNP TSC0029237.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX

PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 116834; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
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XX
SQ Sequence 13 BP; 9 A; 2 C; 0 G; 2 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1355 AAAAATATTCCA 1366
Db 2 AAAAATAATCCA 13

RESULT 761
ABF17061/c
ID ABF17061 standard; DNA; 13 BP.
XX
AC ABF17061;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 117058 for detecting SNP TSC0029297.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
AC ABF17061;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 117058 for detecting SNP TSC0029297.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
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PD 18-OCT-2001.
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PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is

PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 117058; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 2 A; 3 C; 1 G; 7 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1394 AAAGGAGGTAAA 1405
Db 13 AAAGGACGTAAA 2

RESULT 762
ABF36838
ID ABF36838 standard; DNA; 13 BP.
XX
AC ABF36838;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 136835 for detecting SNP TSC0034204.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 136835; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
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CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 2 A; 3 C; 1 G; 7 T; 0 U; 0 Other;

CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 3 A; 0 C; 6 G; 4 T; 0 U; 0 Other;
Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1448 GAAGATGGGTTG 1459
DB 2 GATGATGGGTTG 13
RESULT 763
ABH17367/C
ID ABH17367 standard; DNA; 13 BP.
XX
AC ABH17367;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 217344 for detecting SNP TSC0052841.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 217344; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 1 A; 6 C; 0 G; 6 T; 0 U; 0 Other;
Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1348 GGGGAGAGAAAA 1359
|||||

Db 12 GGGGGAGAAAA 1
RESULT 764
ABF96029
ID ABF96029 standard; DNA; 13 BP.
XX
AC ABF96029;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 196026 for detecting SNP TSC0048226.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 196026; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 8 A; 1 C; 0 G; 4 T; 0 U; 0 Other;
Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1352 AAGAAAAATATT 1363
DB 2 AATAAAAAATATT 13
RESULT 765
ABF46346
ID ABF46346 standard; DNA; 13 BP.
XX
AC ABF46346;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 146343 for detecting SNP TSC0036879.
XX

KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
XX
PF 06-APR-2001; 2001WO-IB0000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
PA Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
DR Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
PT
XX Claim 1; SEQ ID NO 146343; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 6 A; 0 C; 3 G; 4 T; 0 U; 0 Other;
Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1401 GTAAATTTGTTA 1412
Db 2 GTAAATTTGTTA 13
RESULT 766
ABF48006/c
ID ABF48006 standard; DNA; 13 BP.
XX
AC ABF48006;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 148003 for detecting SNP TSC0037367.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB0000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX

XX (EPIG-) EPIGENOMICS AG.
PA Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
DR Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
PT
XX Claim 1; SEQ ID NO 148003; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 4 A; 0 C; 2 G; 7 T; 0 U; 0 Other;
Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1355 AAAAATTTTCCA 1366
Db 13 AAAAATTTTCCA 2
RESULT 767
ABF50697
ID ABF50697 standard; DNA; 13 BP.
XX
AC ABF50697;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 150694 for detecting SNP TSC0038026.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB0000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
DR Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
PT
XX Claim 1; SEQ ID NO 150694; 29pp + Sequence Listing; German.
XX

CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX

SQ Sequence 13 BP; 6 A; 5 C; 0 G; 2 T; 0 U; 0 Other;
Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1434 CACACATATACA 1445
Db 1 CACACATATACA 12

RESULT 768
ABH28163/c
ID ABH28163 standard; DNA; 13 BP.
XX
AC ABH28163;
XX

DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 228140 for detecting SNP TSC0055636.

SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
central nervous system; gastrointestinal; respiratory; immune; metabolic.

OS Homo sapiens.
XX
PN WO200177384-A2.
XX

PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX

PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.

PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.

PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.

PS Claim 1; SEQ ID NO 228140; 29pp + Sequence Listing; German.
XX

CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX

SQ Sequence 13 BP; 7 A; 4 C; 0 G; 2 T; 0 U; 0 Other;
Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1407 TTGTTAATGATG 1418
Db 12 TTGTTAGTGATG 1

RESULT 769
ABH28234/c
ID ABH28234 standard; DNA; 13 BP.
XX

AC ABH28234;
XX
DT 22-FEB-2002 (first entry)
XX

DE Oligonucleotide SEQ ID NO 228211 for detecting SNP TSC0004626.
XX

SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
central nervous system; gastrointestinal; respiratory; immune; metabolic.

OS Homo sapiens.
XX
PN WO200177384-A2.
XX

PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX

PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.

PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.

PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.

PS Claim 1; SEQ ID NO 228211; 29pp + Sequence Listing; German.
XX

CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX

SQ Sequence 13 BP; 3 A; 0 C; 1 G; 9 T; 0 U; 0 Other;
Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1353 AGAAAAATATTC 1364
Db 13 AAAAAATATTC 2

RESULT 770
ABH05683/c

ID ABH05683 standard; DNA; 13 BP.
XX
AC ABH05683;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 205660 for detecting SNP TSC0050412.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 205660; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 2 A; 5 C; 0 G; 6 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1392 TCAAAGGAGGTA 1403
Db 13 TAAAGGAGGTA 2

RESULT 771
ABF58581/C
ID ABF58581 standard; DNA; 13 BP.
XX
AC ABF58581;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 158578 for detecting SNP TSC0039915.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.

XX WO200177384-A2.
PN
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 158578; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 4 A; 1 C; 1 G; 7 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1402 TAAATTTGTTAA 1413
Db 13 TAAATTCGTTAA 2

RESULT 772
ABH10208
ID ABH10208 standard; DNA; 13 BP.
XX
AC ABH10208;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 210185 for detecting SNP TSC0051322.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX

DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 210185; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 4 A; 0 C; 4 G; 5 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1398 GAGGTAAAATTG 1409
Db 2 GAGGTATAATTG 13
|||||
RESULT 773
ABH36662/c
ID ABH36662 standard; DNA; 13 BP.
XX
AC ABH36662;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 236639 for detecting SNP TSC0057760.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 236639 for detecting SNP TSC0057760.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
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PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
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PT designed to detect single-nucleotide polymorphisms and cytosine
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XX
PS Claim 1; SEQ ID NO 236639; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,

CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 3 A; 0 C; 2 G; 8 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1355 AAAAATATATCCA 1366
Db 12 AAAAATAATCCA 1
|||||
RESULT 774
ABF65710
ID ABF65710 standard; DNA; 13 BP.
XX
AC ABF65710;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 165707 for detecting SNP TSC0041557.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 165707; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 4 A; 0 C; 5 G; 4 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 5 A; 0 C; 1 G; 7 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1402 TAAATTTGTTAA 1413
Db 2 TAATATTGTTAA 13
||| |||||
||| |||||

RESULT 780
ABF15147/c
ID ABF15147 standard; DNA; 13 BP.
XX
AC ABF15147;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 115144 for detecting SNP TSC0028844.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB0000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 115144; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 5 A; 3 C; 0 G; 5 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1401 GTAAATTTGTTA 1412
Db 13 GTAAATTTGTTA 2
||| |||||
||| |||||

RESULT 781
ABC40792
ID ABC40792 standard; DNA; 13 BP.
XX
AC ABC40792;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 40809 for detecting SNP TSC0012339.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB0000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 40809; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 8 A; 0 C; 5 G; 0 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1347 AGGGGAAGAAAA 1358
Db 2 AGGGGAAGAAAA 13
||| |||||
||| |||||

RESULT 782
ABF42025/c
ID ABF42025 standard; DNA; 13 BP.
XX
AC ABF42025;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 142022 for detecting SNP TSC0035574.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;

KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX Homo sapiens.
OS WO200177384-A2.
PN 18-OCT-2001.
XX 06-APR-2001; 2001WO-IB0000713.
XX 07-APR-2000; 2000DE-01019173.
XX (EPIG-) EPIGENOMICS AG.
PI Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 142022; 29pp + Sequence Listing; German.
PS This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 0 A; 7 C; 0 G; 6 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1348 GCGGAAGAAAA 1359
Db 12 GCGGAGGAAAA 1

RESULT 783
ABH20485/c
ID ABH20485 standard; DNA; 13 BP.
XX
AC ABH20485;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 220462 for detecting SNP TSC0053650.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB0000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.

XX Olek A, Piepenbrock C, Berlin K;
PI WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 220462; 29pp + Sequence Listing; German.
PS This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 8 A; 1 C; 0 G; 4 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1406 ATTGTTAATGAT 1417
Db 13 ATTTTAAATGAT 2

RESULT 784
ABH06974
ID ABH06974 standard; DNA; 13 BP.
XX
AC ABH06974;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 206951 for detecting SNP TSC0050640.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB0000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 206951; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)

CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 8 A; 0 C; 1 G; 4 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1403 AAAATTGTTAAT 1414
Db 2 AAAATTGATAAT 13
|||||

RESULT 785
ABF58576
ID ABF58576 standard; DNA; 13 BP.
XX
AC ABF58576;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 158573 for detecting SNP TSC0039915.
XX

KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 158573; 29pp + Sequence Listing; German.

CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX

SQ Sequence 13 BP; 7 A; 0 C; 2 G; 4 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1402 TAAAAATGTTAA 1413
Db 1 TAAAAATGTTAA 12
|||||

RESULT 786
ABH39437/c
ID ABH39437 standard; DNA; 13 BP.
XX
AC ABH39437;
XX
DT 22-FEB-2002 (first entry)
XX

DE Oligonucleotide SEQ ID NO 239414 for detecting SNP TSC0058397.

KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.

PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.

XX
PS Claim 1; SEQ ID NO 239414; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 1 A; 3 C; 0 G; 9 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1351 GAAGAAAAATAT 1362
Db 13 GAAGAAAAAGAT 2
|||||

RESULT 787
ABF91758
ID ABF91758 standard; DNA; 13 BP.
XX

AC ABF91758;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 191755 for detecting SNP TSC0047176.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 191755; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 4 A; 0 C; 3 G; 6 T; 0 U; 0 Other;
XX
Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
QY 1407 TTGTTAATGATG 1418
Db 1 TTATTAATGATG 12
XX
RESULT 788
ABH45029/C
ID ABH45029 standard; DNA; 13 BP.
XX
AC ABH45029;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 245006 for detecting SNP TSC0059825.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.

XX 18-OCT-2001.
PD
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
PA
XX Olek A, Piepenbrock C, Berlin K;
PI WPI; 2001-657177/75.
XX
DR Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
PT
XX
PS Claim 1; SEQ ID NO 245006; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 7 A; 2 C; 0 G; 4 T; 0 U; 0 Other;
XX
Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
QY 1401 GTAAAATTGTTA 1412
Db 12 GTAAAATTGTTA 1
XX
RESULT 789
ABH46551
ID ABH46551 standard; DNA; 13 BP.
XX
AC ABH46551;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 246528 for detecting SNP TSC0008909.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
PA
XX Olek A, Piepenbrock C, Berlin K;
PI WPI; 2001-657177/75.
XX
DR
XX

PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 246528; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 9 A; 2 C; 0 G; 2 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1355 AAAAATATTCCA 1366
Db 1 AAAAATATACCA 12

RESULT 790
ABC95962
ID ABC95962 standard; DNA; 13 BP.
XX
AC ABC95962;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 95979 for detecting SNP TSC0023864.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
AC ABC95962;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 95979 for detecting SNP TSC0023864.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 95979; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010

CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 2 A; 0 C; 3 G; 8 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1407 TTGTTAATGATG 1418
Db 2 TTGTTTATGATG 13

RESULT 791
ABC54061
ID ABC54061 standard; DNA; 13 BP.
XX
AC ABC54061;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 54078 for detecting SNP TSC0014866.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 54078; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 8 A; 1 C; 0 G; 4 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1355 AAAAATATTCCA 1366


```
XX SQ Sequence 13 BP; 5 A; 4 C; 0 G; 4 T; 0 U; 0 Other;
Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1408 TGTTAATGATGA 1419
Db 13 TGTTAGTGATGA 2

RESULT 797
ABF14033
ID ABF14033 standard; DNA; 13 BP.
XX AC ABF14033;
XX DT 21-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 114030 for detecting SNP TSC0028539.
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB0000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
designed to detect single-nucleotide polymorphisms and cytosine
methylation status.
XX Claim 1; SEQ ID NO 114030; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
and cytosine methylation status in chemically pretreated genomic DNA. The
oligonucleotides are used for diagnosis and/or prognosis of cancer and a
range of diseases including immune system, gastrointestinal, respiratory,
central nervous system, cardiovascular and metabolic disorders. The
oligomers are also used for detecting cell type differentiation. ABC00010
-ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
represent the oligomers described in the invention. NOTE: The sequence
data for this patent did not form part of the printed specification, but
was obtained in electronic format from WIPO at
ftp.wipo.int/pub/published_pct_sequences
XX SQ Sequence 13 BP; 8 A; 0 C; 0 G; 5 T; 0 U; 0 Other;
This invention describes novel oligonucleotide primers or peptide nucleic
acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
and cytosine methylation status in chemically pretreated genomic DNA. The
oligonucleotides are used for diagnosis and/or prognosis of cancer and a
range of diseases including immune system, gastrointestinal, respiratory,
central nervous system, cardiovascular and metabolic disorders. The
oligomers are also used for detecting cell type differentiation. ABC00010
-ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
represent the oligomers described in the invention. NOTE: The sequence
data for this patent did not form part of the printed specification, but
was obtained in electronic format from WIPO at
ftp.wipo.int/pub/published_pct_sequences
XX SQ Sequence 13 BP; 8 A; 0 C; 0 G; 5 T; 0 U; 0 Other;
Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1352 AAGAAAAATATT 1363
Db 1 AATAAAAAATATT 12

RESULT 798
Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1448 GAAGATGGGTTG 1459
Db 2 GAGGATGGGTTG 13

RESULT 799
ABF16368
ID ABF16368 standard; DNA; 13 BP.
XX AC ABF16368;
XX DT 21-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 116365 for detecting SNP TSC0029134.
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
```

```
ABC64526
ID ABC64526 standard; DNA; 13 BP.
XX AC ABC64526;
XX DT 21-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 64543 for detecting SNP TSC0017022.
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB0000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
designed to detect single-nucleotide polymorphisms and cytosine
methylation status.
XX Claim 1; SEQ ID NO 64543; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
and cytosine methylation status in chemically pretreated genomic DNA. The
oligonucleotides are used for diagnosis and/or prognosis of cancer and a
range of diseases including immune system, gastrointestinal, respiratory,
central nervous system, cardiovascular and metabolic disorders. The
oligomers are also used for detecting cell type differentiation. ABC00010
-ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
represent the oligomers described in the invention. NOTE: The sequence
data for this patent did not form part of the printed specification, but
was obtained in electronic format from WIPO at
ftp.wipo.int/pub/published_pct_sequences
XX SQ Sequence 13 BP; 3 A; 0 C; 7 G; 3 T; 0 U; 0 Other;
Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1448 GAAGATGGGTTG 1459
Db 2 GAGGATGGGTTG 13

RESULT 799
ABF16368
ID ABF16368 standard; DNA; 13 BP.
XX AC ABF16368;
XX DT 21-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 116365 for detecting SNP TSC0029134.
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
```


CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences

XX SQ Sequence 13 BP; 5 A; 2 C; 0 G; 6 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1404 AAATTGTTAATG 1415
|||||
Db 12 AAATAGTTAATG 1

RESULT 802

ABF70735
ID ABF70735 standard; DNA; 13 BP.

XX AC ABF70735;

XX DT 22-FEB-2002 (first entry)

XX DE Oligonucleotide SEQ ID NO 170732 for detecting SNP TSC0042589.

XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX OS Homo sapiens.

XX PN WO200177384-A2.

XX PD 18-OCT-2001.

XX PF 06-APR-2001; 2001WO-IB000713.

XX PR 07-APR-2000; 2000DE-01019173.

XX PA (EPIG-) EPIGENOMICS AG.

XX PI Olek A, Piepenbrock C, Berlin K;

XX DR WPI; 2001-657177/75.

XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.

XX PS Claim 1; SEQ ID NO 170732; 29pp + Sequence Listing; German.

XX CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences

XX SQ Sequence 13 BP; 7 A; 3 C; 1 G; 2 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;

Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1460 ATCAAGCAAATA 1471

Db 2 ATCAGCAAATA 13
|||||

RESULT 803

ABF47961/C
ID ABF47961 standard; DNA; 13 BP.

XX AC ABF47961;

XX DT 21-FEB-2002 (first entry)

XX DE Oligonucleotide SEQ ID NO 147958 for detecting SNP TSC0037358.

XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX OS Homo sapiens.

XX PN WO200177384-A2.

XX PD 18-OCT-2001.

XX PF 06-APR-2001; 2001WO-IB000713.

XX PR 07-APR-2000; 2000DE-01019173.

XX PA (EPIG-) EPIGENOMICS AG.

XX PI Olek A, Piepenbrock C, Berlin K;

XX DR WPI; 2001-657177/75.

XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.

XX PS Claim 1; SEQ ID NO 147958; 29pp + Sequence Listing; German.

XX CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences

XX SQ Sequence 13 BP; 3 A; 5 C; 2 G; 3 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1373 ACGAGCGATCGT 1384

Db 13 ATGAGCGATCGT 2
|||||

RESULT 804

ABF73477
ID ABF73477 standard; DNA; 13 BP.

XX AC ABF73477;

XX XX


```
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 173474 for detecting SNP TSC0043213.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 173474; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 7 A; 4 C; 0 G; 2 T; 0 U; 0 Other;
Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1356 AAAATATTCCAC 1367
Dd 1 AAAATACTCCAC 12

RESULT 805
ABH23903
ID ABH23903 standard; DNA; 13 BP.
XX
AC ABH23903;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 223880 for detecting SNP TSC0054529.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
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XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 223880; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 9 A; 0 C; 0 G; 4 T; 0 U; 0 Other;
Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1352 AAGAAAAATATT 1363
Dd 2 AAAAAAAATATT 13

RESULT 806
ABF76217/c
ID ABF76217 standard; DNA; 13 BP.
XX
AC ABF76217;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 176214 for detecting SNP TSC0010154.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
```

PT methylation status.

XX Claim 1; SEQ ID NO 176214; 29pp + Sequence Listing; German.

PS

XX This invention describes novel oligonucleotide primers or peptide nucleic acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP) and cytosine methylation status in chemically pretreated genomic DNA. The oligonucleotides are used for diagnosis and/or prognosis of cancer and a range of diseases including immune system, gastrointestinal, respiratory, central nervous system, cardiovascular and metabolic disorders. The oligomers are also used for detecting cell type differentiation. ABC00010 -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073 represent the oligomers described in the invention. NOTE: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format from WIPO at ftp.wipo.int/pub/published_pct_sequences

XX

SQ Sequence 13 BP; 5 A; 2 C; 0 G; 5 T; 0 U; 1 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1403 AAAATTGTTAAT 1414
| | | | | | | | | |
Db 13 AGAATTGTTAAT 2

RESULT 807
ABH03123/C

ID ABH03123 standard; DNA; 13 BP.

XX

AC ABH03123;

XX

DT 22-FEB-2002 (first entry)

XX

DE Oligonucleotide SEQ ID NO 203100 for detecting SNP TSC0049882.

XX

KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX

OS Homo sapiens.

XX

PN WO200177384-A2.

XX

PD 18-OCT-2001.

XX

PF 06-APR-2001; 2001WO-IB0000713.

XX

PR 07-APR-2000; 2000DE-01019173.

XX

PA (EPIG-) EPIGENOMICS AG.

XX

PI Olek A, Piepenbrock C, Berlin K;

XX

DR WPI; 2001-657177/75.

XX

PT Set of oligonucleotides, useful for diagnosis and cell typing, is designed to detect single-nucleotide polymorphisms and cytosine methylation status.

XX

PS Claim 1; SEQ ID NO 203100; 29pp + Sequence Listing; German.

XX

CC This invention describes novel oligonucleotide primers or peptide nucleic acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP) and cytosine methylation status in chemically pretreated genomic DNA. The oligonucleotides are used for diagnosis and/or prognosis of cancer and a range of diseases including immune system, gastrointestinal, respiratory, central nervous system, cardiovascular and metabolic disorders. The oligomers are also used for detecting cell type differentiation. ABC00010 -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073 represent the oligomers described in the invention. NOTE: The sequence

CC data for this patent did not form part of the printed specification, but was obtained in electronic format from WIPO at ftp.wipo.int/pub/published_pct_sequences

XX

SQ Sequence 13 BP; 6 A; 1 C; 0 G; 6 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1403 AAAATTGTTAAT 1414
| | | | | | | | | |
Db 13 AAAATTGTTAAT 2

RESULT 808
ABH28591/C

ID ABH28591 standard; DNA; 13 BP.

XX

AC ABH28591;

XX

DT 22-FEB-2002 (first entry)

XX

DE Oligonucleotide SEQ ID NO 228568 for detecting SNP TSC0055748.

XX

KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX

OS Homo sapiens.

XX

PN WO200177384-A2.

XX

PD 18-OCT-2001.

XX

PF 06-APR-2001; 2001WO-IB0000713.

XX

PR 07-APR-2000; 2000DE-01019173.

XX

PA (EPIG-) EPIGENOMICS AG.

XX

PI Olek A, Piepenbrock C, Berlin K;

XX

DR WPI; 2001-657177/75.

XX

PT Set of oligonucleotides, useful for diagnosis and cell typing, is designed to detect single-nucleotide polymorphisms and cytosine methylation status.

XX

PS Claim 1; SEQ ID NO 228568; 29pp + Sequence Listing; German.

XX

CC This invention describes novel oligonucleotide primers or peptide nucleic acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP) and cytosine methylation status in chemically pretreated genomic DNA. The oligonucleotides are used for diagnosis and/or prognosis of cancer and a range of diseases including immune system, gastrointestinal, respiratory, central nervous system, cardiovascular and metabolic disorders. The oligomers are also used for detecting cell type differentiation. ABC00010 -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073 represent the oligomers described in the invention. NOTE: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format from WIPO at ftp.wipo.int/pub/published_pct_sequences

XX

SQ Sequence 13 BP; 4 A; 3 C; 0 G; 6 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1396 AGGAGTAAAT 1407
| | | | | | | | | |
Db 12 AGTAGTAAAT 1

```
RESULT 809
ABH10209/c
ID ABH10209 standard; DNA; 13 BP.
XX
AC ABH10209;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 210186 for detecting SNP TSC0051322.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB0000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 210186; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF0010-ABF99989, ABH0010-ABH99989 and ABI0010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 5 A; 4 C; 0 G; 4 T; 0 U; 0 Other;
XX
Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1398 GAGGTAAATTTG 1409
Db 12 GAGGTATATTG 1

RESULT 810
ABF91360/c
ID ABF91360 standard; DNA; 13 BP.
XX
AC ABF91360;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 191357 for detecting SNP TSC0047086.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
```

```
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB0000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 191357; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF0010-ABF99989, ABH0010-ABH99989 and ABI0010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 3 A; 0 C; 5 G; 5 T; 0 U; 0 Other;
XX
Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1359 ATATTCACGCCA 1370
Db 13 ATATTCACCCA 2

RESULT 811
ABH42633/c
ID ABH42633 standard; DNA; 13 BP.
XX
AC ABH42633;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 242610 for detecting SNP TSC0059184.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB0000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
```

PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 242610; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 1 A; 3 C; 0 G; 8 T; 0 U; 1 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1349 GCGAAGAAAAAT 1360
Db 13 GAGAAGAAAAAT 2

RESULT 812
ABH57681
ID ABH57681 standard; DNA; 13 BP.
XX
AC ABH57681;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 257658 for detecting SNP TSC0062680.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 257658; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic

CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 7 A; 2 C; 0 G; 4 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1355 AAAAATATTCCA 1366
Db 2 AATAATATTCCA 13

RESULT 813
ABH59996
ID ABH59996 standard; DNA; 13 BP.
XX
AC ABH59996;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 259973 for detecting SNP TSC0063118.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 259973; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 6 A; 1 C; 3 G; 3 T; 0 U; 0 Other;


```

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1439 ATATACATGGAA 1450
Db 1 ATATACATGGAA 12

RESULT 814
ABC44404
ID ABC44404 standard; DNA; 13 BP.
XX
AC ABC44404;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 44421 for detecting SNP TSC0013036.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPiG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 44421; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF0010-ABF99989, ABH0010-ABH99989 and ABI0010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 5 A; 0 C; 1 G; 7 T; 0 U; 0 Other;

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1403 AAAATTGTTAAT 1414
Db 1 AAAATTGTTAT 12

RESULT 815
ABC20113/c
ID ABC20113 standard; DNA; 13 BP.
XX
AC ABC20113;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 75288 for detecting SNP TSC0019324.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
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XX
AC ABC20113;
XX
DT 20-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 20130 for detecting SNP TSC0004129.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPiG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 20130; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF0010-ABF99989, ABH0010-ABH99989 and ABI0010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 4 A; 4 C; 0 G; 5 T; 0 U; 0 Other;

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1405 AATTGTTAATGA 1416
Db 13 AATTGTTAAGGA 2

RESULT 816
ABC75271/c
ID ABC75271 standard; DNA; 13 BP.
XX
AC ABC75271;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 75288 for detecting SNP TSC0019324.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
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PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB0000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 75288; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF0010-ABF99989, ABH0010-ABH99989 and ABI0010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 1 A; 4 C; 0 G; 8 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1394 AAAGGAGGTAAA 1405
Db 13 AAAGGAGATAAA 2
|||||
|
RESULT 817
ABC27819/c
ID ABC27819 standard; DNA; 13 BP.
XX
AC ABC27819;
XX
DT 20-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 27836 for detecting SNP TSC0007837.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB0000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 27836; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF0010-ABF99989, ABH0010-ABH99989 and ABI0010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 6 A; 2 C; 0 G; 4 T; 0 U; 1 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1401 GTAAAAATTGTTA 1412
Db 13 GTAAATTGTTA 2
|||||
|
RESULT 818
ABC03270
ID ABC03270 standard; DNA; 13 BP.
XX
AC ABC03270;
XX
DT 20-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 3261 for detecting SNP TSC0001237.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB0000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 3261; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The

CC oligomers are also used for detecting cell type differentiation. ABC000010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX

SQ Sequence 13 BP; 5 A; 0 C; 4 G; 4 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1401 GTAAAAATTGTTA 1412
|||||
Db 1 GTAAAAATTGTGA 12

RESULT 819

ABC03271/C
ID ABC03271 standard; DNA; 13 BP.

XX AC ABC03271;

XX DT 20-FEB-2002 (first entry)

XX DE Oligonucleotide SEQ ID NO 3262 for detecting SNP TSC0001237.

XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX OS Homo sapiens.

XX PN WO200177384-A2.

XX PD 18-OCT-2001.

XX PF 06-APR-2001; 2001WO-IB000713.

XX PR 07-APR-2000; 2000DE-01019173.

XX PA (EPIG-) EPIGENOMICS AG.

XX PI Olek A, Piepenbrock C, Berlin K;

XX WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.

XX Claim 1; SEQ ID NO 3262; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX

SQ Sequence 13 BP; 4 A; 4 C; 0 G; 5 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1401 GTAAAAATTGTTA 1412
|||||
Db 13 GTAAAAATTGTGA 2

RESULT 820

ABC03655/C
ID ABC03655 standard; DNA; 13 BP.

XX AC ABC03655;

XX DT 20-FEB-2002 (first entry)

XX DE Oligonucleotide SEQ ID NO 3646 for detecting SNP TSC0001395.

XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX OS Homo sapiens.

XX PN WO200177384-A2.

XX PD 18-OCT-2001.

XX PF 06-APR-2001; 2001WO-IB000713.

XX PR 07-APR-2000; 2000DE-01019173.

XX PA (EPIG-) EPIGENOMICS AG.

XX PI Olek A, Piepenbrock C, Berlin K;

XX WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.

XX Claim 1; SEQ ID NO 3646; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX

SQ Sequence 13 BP; 3 A; 2 C; 0 G; 8 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1352 AAGAAAAATATT 1363

Db 12 AAGAGAATATT 1

RESULT 821

ABC06932
ID ABC06932 standard; DNA; 13 BP.

XX AC ABC06932;

XX DT 20-FEB-2002 (first entry)

XX

DE Oligonucleotide SEQ ID NO 6923 for detecting SNP TSC0002071.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB0000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
DR
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 6923; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF0010-ABF99989, ABH0010-ABH99989 and ABI0010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 6 A; 0 C; 1 G; 6 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1403 AAAATTGTTAAT 1414
Db 2 AAAATTGTTATT 13

RESULT 822
ABC58195
ID ABC58195 standard; DNA; 13 BP.
XX
AC ABC58195;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 58212 for detecting SNP TSC0015625.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB0000713.

XX 07-APR-2000; 2000DE-01019173.
XX (EPIG-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX
PS Claim 1; SEQ ID NO 58212; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF0010-ABF99989, ABH0010-ABH99989 and ABI0010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 4 A; 5 C; 1 G; 3 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1360 TATTCCACGCAT 1371
Db 1 TACTCCACGCAT 12

RESULT 823
ABC10329/c
ID ABC10329 standard; DNA; 13 BP.
XX
AC ABC10329;
XX
DT 20-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 10320 for detecting SNP TSC0002624.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB0000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.

PS Claim 1; SEQ ID NO 10320; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 7 A; 1 C; 0 G; 5 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1402 TAAATATTGTAA 1413
Db |||||
12 TAAATATTGTAA 1

RESULT 824
ABC13615
ID ABC13615 standard; DNA; 13 BP.
AC ABC13615;
XX
DT 20-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 13622 for detecting SNP TSC0003139.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB0000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 13622; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at

CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 7 A; 2 C; 0 G; 4 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1356 AAAATATTCAC 1367
Db |||||
2 AAAATATTCAC 13

RESULT 825
ABF37598
ID ABF37598 standard; DNA; 13 BP.
XX
AC ABF37598;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 137595 for detecting SNP TSC0034394.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB0000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 137595; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 7 A; 0 C; 1 G; 5 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1352 AAGAAAAATATT 1363
Db |||||
2 AAGAAATATATT 13

```
RESULT 826
ABH20193/c
ID ABH20193 standard; DNA; 13 BP.
XX AC ABH20193;
XX DT 22-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 220170 for detecting SNP TSC0053577.
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPiG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX DR WPI; 2001-657177/75.
XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX PS Claim 1; SEQ ID NO 220170; 29pp + Sequence Listing; German.
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX SQ Sequence 13 BP; 1 A; 6 C; 0 G; 6 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1395 AAGGAGGTAAAA 1406
Db 13 AAGGGGGTAAAA 2

RESULT 827
ABH23390
ID ABH23390 standard; DNA; 13 BP.
XX AC ABH23390;
XX DT 22-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 223367 for detecting SNP TSC0054387.
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
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XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPiG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX DR WPI; 2001-657177/75.
XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX PS Claim 1; SEQ ID NO 223367; 29pp + Sequence Listing; German.
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX SQ Sequence 13 BP; 5 A; 0 C; 3 G; 5 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1408 TGTTAATGATGA 1419
Db 2 TATTAAATGATGA 13

RESULT 828
ABF50207
ID ABF50207 standard; DNA; 13 BP.
XX AC ABF50207;
XX DT 21-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 150204 for detecting SNP TSC0037911.
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPiG-) EPIGENOMICS AG.
```

PI Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
DR
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 150204; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 9 A; 1 C; 0 G; 3 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1355 AAAAATATTCCA 1366
Db 1 AAAAATATTACA 12

RESULT 829
ABF50696/c
ID ABF50696 standard; DNA; 13 BP.
XX
AC ABF50696;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 150693 for detecting SNP TSC0038026.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB0000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 150693; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The

CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 2 A; 0 C; 5 G; 6 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1434 CAGACATATACA 1445
Db 13 CACACATATACA 2

RESULT 830
ABH28238/c
ID ABH28238 standard; DNA; 13 BP.
XX
AC ABH28238;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 228215 for detecting SNP TSC0004626.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB0000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 228215; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 3 A; 1 C; 1 G; 8 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 13;

PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB0000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 234847; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 7 A; 0 C; 2 G; 4 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1401 GTAAAATTGTTA 1412
Db 2 GTAAAATTGTTA 13

RESULT 834
ABF60680
ID ABF60680 standard; DNA; 13 BP.
XX
AC ABF60680;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 160677 for detecting SNP TSC0040462.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB0000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is

PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 160677; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 6 A; 0 C; 2 G; 5 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1405 AATTGTTAATGA 1416
Db 2 AATTGTTAAGA 13

RESULT 835
ABF90892
ID ABF90892 standard; DNA; 13 BP.
XX
AC ABF90892;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 190889 for detecting SNP TSC0046952.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB0000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 190889; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences

CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX

SQ Sequence 13 BP; 2 A; 0 C; 4 G; 7 T; 0 U; 0 Other;
Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1407 TTGTTAATGATG 1418
|||||
1 TTGTTGATGATG 12

Db

RESULT 836
ABH53511
ID ABH53511 standard; DNA; 13 BP.
XX
AC ABH53511;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 253488 for detecting SNP TSC0007617.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
AC ABH53511;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 253488 for detecting SNP TSC0007617.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 253488; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 4 A; 5 C; 1 G; 3 T; 0 U; 0 Other;
Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1365 CACGCATCACGA 1376
|||||

Db 2 CACGCATCACTA 13

RESULT 837
ABC20112
ID ABC20112 standard; DNA; 13 BP.
XX
AC ABC20112;
XX
DT 20-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 20129 for detecting SNP TSC0004129.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 20129; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 5 A; 0 C; 4 G; 4 T; 0 U; 0 Other;
Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1405 AATTGTTAATGA 1416
|||||
1 AATTGTTAAGGA 12

Db

RESULT 838
ABC48790
ID ABC48790 standard; DNA; 13 BP.
XX
AC ABC48790;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 48807 for detecting SNP TSC0013866.
XX

KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB0000713.
XX
PR 07-APR-2000; 2000DE-01019173.
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PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
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PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 48807; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
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XX
SQ Sequence 13 BP; 6 A; 0 C; 2 G; 5 T; 0 U; 0 Other;
XX
Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
QY 1403 AAAATTGTTAAT 1414
Db 1 AAGATTGTTAAT 12
XX
RESULT 839
ABC03651
ID ABC03651 standard; DNA; 13 BP.
XX
AC ABC03651;
XX
DT 20-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 3642 for detecting SNP TSC0001395.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
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PF 06-APR-2001; 2001WO-IB0000713.
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PR 07-APR-2000; 2000DE-01019173.
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XX (EPIG-) EPIGENOMICS AG.
PA
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
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PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 3642; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
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CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 10 A; 0 C; 0 G; 3 T; 0 U; 0 Other;
XX
Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
QY 1352 AAGAAAAATATT 1363
Db 2 AAAAAAATATT 13
XX
RESULT 840
ABC81568
ID ABC81568 standard; DNA; 13 BP.
XX
AC ABC81568;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 81585 for detecting SNP TSC0020645.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB0000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 81585; 29pp + Sequence Listing; German.
XX

CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
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SQ Sequence 13 BP; 7 A; 0 C; 0 G; 6 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1402 TAAAAATTGTTAA 1413
Db 2 TAAAAATTTTAA 13
|||||

RESULT 841
ABC32974
ID ABC32974 standard; DNA; 13 BP.
XX
AC ABC32974;
XX
DT 20-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 32991 for detecting SNP TSC0010460.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 32991; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
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CC ftp.wipo.int/pub/published_pct_sequences
XX

SQ Sequence 13 BP; 4 A; 0 C; 3 G; 6 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1404 AAAATTGTTAATG 1415
Db 2 AGATTGTTAATG 13
|||||

RESULT 842
ABC39558
ID ABC39558 standard; DNA; 13 BP.
XX
AC ABC39558;
XX
DT 20-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 39575 for detecting SNP TSC0012093.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 39575; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
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CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 7 A; 0 C; 1 G; 5 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1403 AAAATTGTTAAT 1414
Db 1 AAAATTGTTAAT 12
|||||

RESULT 843
ABF15353/c

ID ABF15353 standard; DNA; 13 BP.
XX
AC ABF15353;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 115350 for detecting SNP TSC0028921.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 115350; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
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CC ftp.wipo.int/pub/published_pct_sequences
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SQ Sequence 13 BP; 5 A; 4 C; 0 G; 4 T; 0 U; 0 Other;
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
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CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
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CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 5 A; 4 C; 0 G; 4 T; 0 U; 0 Other;
XX
Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
OY 1449 AAGATGGGTTGA 1460
DB 12 AATATGGGTTGA 1
XX
RESULT 844
ABC40996
ID ABC40996 standard; DNA; 13 BP.
XX
AC ABC40996;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 41013 for detecting SNP TSC0012376.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.

XX WO200177384-A2.
PN
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 41013; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
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CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 9 A; 0 C; 1 G; 3 T; 0 U; 0 Other;
XX
Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
OY 1352 AAGAAAAAATATT 1363
DB 1 AAAAAAAATATT 12
XX
RESULT 845
ABF17058
ID ABF17058 standard; DNA; 13 BP.
XX
AC ABF17058;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 117055 for detecting SNP TSC0029297.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX

DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 117055; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
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CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
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SQ Sequence 13 BP; 7 A; 0 C; 3 G; 3 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1394 AAAGGAGGTAAA 1405
Db 1 AAAGGATGTAAA 12

RESULT 846
ABF19552
ID ABF19552 standard; DNA; 13 BP.
XX
AC ABF19552;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 119549 for detecting SNP TSC0029841.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
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PD 18-OCT-2001.
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PI Olek A, Piepenbrock C, Berlin K;
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DR WPI; 2001-657177/75.
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PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 119549; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
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XX
SQ Sequence 13 BP; 4 A; 0 C; 2 G; 7 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1404 AAATTGTTAATG 1415
Db 2 ATATTGTTAATG 13

RESULT 847
ABF39223/C
ID ABF39223 standard; DNA; 13 BP.
XX
AC ABF39223;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 139220 for detecting SNP TSC0034874.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
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XX
PS Claim 1; SEQ ID NO 139220; 29pp + Sequence Listing; German.
XX
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CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
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Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1400 GGTAATAATTGTT 1411
Db 13 GGTAATAATTGTT 2

RESULT 848
ABF97454
ID ABF97454 standard; DNA; 13 BP.
XX
AC ABF97454;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 197451 for detecting SNP TSC0048601.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
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PF 06-APR-2001; 2001WO-IB0000713.
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PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
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PT designed to detect single-nucleotide polymorphisms and cytosine
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XX
PS Claim 1; SEQ ID NO 197451; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF0010-ABF99989, ABH0010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
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SQ Sequence 13 BP; 5 A; 0 C; 2 G; 6 T; 0 U; 0 Other;
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SQ Sequence 13 BP; 5 A; 0 C; 2 G; 6 T; 0 U; 0 Other;
XX
Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1408 TGTTAATGATGA 1419
Db 1 TTTTAATGATGA 12

RESULT 849
ABH22556
ID ABH22556 standard; DNA; 13 BP.
XX
AC ABH22556;
XX
DT 22-FEB-2002 (first entry)

XX Oligonucleotide SEQ ID NO 222533 for detecting SNP TSC0054144.
DE
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB0000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 222533; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF0010-ABF99989, ABH0010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 5 A; 0 C; 3 G; 5 T; 0 U; 0 Other;
XX
Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1399 AGCTAAAATTGT 1410
Db 2 AGCTAATATTGT 13

RESULT 850
ABF73476/c
ID ABF73476 standard; DNA; 13 BP.
XX
AC ABF73476;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 173473 for detecting SNP TSC0043213.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX

PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
PA
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
DR
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX
PS Claim 1; SEQ ID NO 173473; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 2 A; 0 C; 4 G; 7 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1356 AAAATATATCCAC 1367
Db 13 AAAATACTCCAC 2

RESULT 851
ABF76216
ID ABF76216 standard; DNA; 13 BP.
XX
AC ABF76216;
XX
XX 22-FEB-2002 (first entry)
XX
XX Oligonucleotide SEQ ID NO 176213 for detecting SNP TSC0010154.
DE
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.

XX
PS Claim 1; SEQ ID NO 176213; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 5 A; 0 C; 2 G; 5 T; 0 U; 1 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1403 AAAATTGTTTAAAT 1414
Db 1 AGAATTGTTTAAAT 12

RESULT 852
ABF51931
ID ABF51931 standard; DNA; 13 BP.
XX
AC ABF51931;
XX
XX 21-FEB-2002 (first entry)
XX
XX Oligonucleotide SEQ ID NO 151928 for detecting SNP TSC0038388.
DE
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX
PS Claim 1; SEQ ID NO 151928; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but

CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 8 A; 2 C; 0 G; 3 T; 0 U; 0 Other;
Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1353 AGAAAAATATTC 1364
DB 1 ACAAATAATTC 12
RESULT 853
ABH27318
ID ABH27318 standard; DNA; 13 BP.
XX
AC ABH27318;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 227295 for detecting SNP TSC0055447.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
AC ABH27318;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 227295 for detecting SNP TSC0055447.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
Set of oligonucleotides, useful for diagnosis and cell typing, is
designed to detect single-nucleotide polymorphisms and cytosine
methylation status.
XX
Claim 1; SEQ ID NO 227295; 29pp + Sequence Listing; German.
XX
This invention describes novel oligonucleotide primers or peptide nucleic
acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
and cytosine methylation status in chemically pretreated genomic DNA. The
oligonucleotides are used for diagnosis and/or prognosis of cancer and a
range of diseases including immune system, gastrointestinal, respiratory,
central nervous system, cardiovascular and metabolic disorders. The
oligonucleotides are also used for detecting cell type differentiation. ABC000010
-ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
represent the oligomers described in the invention. NOTE: The sequence
data for this patent did not form part of the printed specification, but
was obtained in electronic format from WIPO at
ftp.wipo.int/pub/published_pct_sequences
XX
Sequence 13 BP; 7 A; 0 C; 2 G; 4 T; 0 U; 0 Other;
Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1;
QY 1352 AAGAAAAATATT 1363
DB 1 AAGTAAATATT 12

RESULT 854
ABF52252
ID ABF52252 standard; DNA; 13 BP.
XX
AC ABF52252;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 152249 for detecting SNP TSC0038467.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
Set of oligonucleotides, useful for diagnosis and cell typing, is
designed to detect single-nucleotide polymorphisms and cytosine
methylation status.
XX
Claim 1; SEQ ID NO 152249; 29pp + Sequence Listing; German.
XX
This invention describes novel oligonucleotide primers or peptide nucleic
acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
and cytosine methylation status in chemically pretreated genomic DNA. The
oligonucleotides are used for diagnosis and/or prognosis of cancer and a
range of diseases including immune system, gastrointestinal, respiratory,
central nervous system, cardiovascular and metabolic disorders. The
oligonucleotides are also used for detecting cell type differentiation. ABC000010
-ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
represent the oligomers described in the invention. NOTE: The sequence
data for this patent did not form part of the printed specification, but
was obtained in electronic format from WIPO at
ftp.wipo.int/pub/published_pct_sequences
XX
Sequence 13 BP; 4 A; 0 C; 3 G; 6 T; 0 U; 0 Other;
Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1408 TGTTAATGATGA 1419
DB 1 TGTTAATGTTGA 12
RESULT 855
ABF52252
ID ABF52252 standard; DNA; 13 BP.
XX
AC ABF52252;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 152250 for detecting SNP TSC0038467.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
Set of oligonucleotides, useful for diagnosis and cell typing, is
designed to detect single-nucleotide polymorphisms and cytosine
methylation status.
XX
Claim 1; SEQ ID NO 152249; 29pp + Sequence Listing; German.
XX
This invention describes novel oligonucleotide primers or peptide nucleic
acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
and cytosine methylation status in chemically pretreated genomic DNA. The
oligonucleotides are used for diagnosis and/or prognosis of cancer and a
range of diseases including immune system, gastrointestinal, respiratory,
central nervous system, cardiovascular and metabolic disorders. The
oligonucleotides are also used for detecting cell type differentiation. ABC000010
-ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
represent the oligomers described in the invention. NOTE: The sequence
data for this patent did not form part of the printed specification, but
was obtained in electronic format from WIPO at
ftp.wipo.int/pub/published_pct_sequences
XX
Sequence 13 BP; 4 A; 0 C; 3 G; 6 T; 0 U; 0 Other;
Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1408 TGTTAATGATGA 1419
DB 1 TGTTAATGTTGA 12

KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB0000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
DR
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 152250; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 6 A; 3 C; 0 G; 4 T; 0 U; 0 Other;
XX
Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1408 TGTAAATGATGA 1419
Db 13 TGTAAATGTTGA 2
RESULT 856
ABH32278
ID ABH32278 standard; DNA; 13 BP.
XX
AC ABH32278;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 232255 for detecting SNP TSC0056652.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB0000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.

XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 232255; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 4 A; 0 C; 3 G; 6 T; 0 U; 0 Other;
XX
Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1407 TTGTTAATGATG 1418
Db 1 TTGATAATGATG 12
RESULT 857
ABF61205
ID ABF61205 standard; DNA; 13 BP.
XX
AC ABF61205;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 161202 for detecting SNP TSC0040584.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB0000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
DR
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 161202; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 4 A; 0 C; 3 G; 6 T; 0 U; 0 Other;

```
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 7 A; 4 C; 0 G; 2 T; 0 U; 0 Other;

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1434 CAGACATATACA 1445
Db 2 CACACATATACA 13

RESULT 858
ABH13100
ID ABH13100 standard; DNA; 13 BP.
XX
AC ABH13100;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 213077 for detecting SNP TSC0051905.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 213077; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 6 A; 0 C; 5 G; 2 T; 0 U; 0 Other;

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1434 CAGACATATACA 1445
Db 2 CACACATATACA 13

RESULT 860
ABF88600/c
ID ABF88600 standard; DNA; 13 BP.
XX
```

```
Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1395 AAGGAGGTAAAA 1406
Db 1 AAGGAGGTAAAA 12

RESULT 859
ABH13101/c
ID ABH13101 standard; DNA; 13 BP.
XX
AC ABH13101;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 213078 for detecting SNP TSC0051905.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 213078; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 2 A; 5 C; 0 G; 6 T; 0 U; 0 Other;

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1395 AAGGAGGTAAAA 1406
Db 13 AAGGAGGTAAAA 2

RESULT 860
ABF88600/c
ID ABF88600 standard; DNA; 13 BP.
XX
```


PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 242609; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 8 A; 0 C; 3 G; 1 T; 0 U; 1 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1349 GGGAGAGAAAAAT 1360
Db 1 GAGAGAGAAAAAT 12

RESULT 863
ABH64588
ID ABH64588 standard; DNA; 13 BP.
XX
AC ABH64588;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 264565 for detecting SNP TSC0064134.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB0000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 264565; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010

CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 6 A; 0 C; 6 G; 1 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1348 GGGGAAGAAAAA 1359
Db 2 GGGGAAGAAAAA 13

RESULT 864
ABC48905/c
ID ABC48905 standard; DNA; 13 BP.
XX
AC ABC48905;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 48922 for detecting SNP TSC0013887.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB0000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 48922; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 6 A; 1 C; 0 G; 6 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1403 AAAATTGTTAAT 1414

```

XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX OS Homo sapiens.
XX DR WPI; 2001-657177/75.
XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
XX PT designed to detect single-nucleotide polymorphisms and cytosine
XX PT methylation status.
XX PS Claim 1; SEQ ID NO 52752; 29pp + Sequence Listing; German.
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
XX CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX CC and cytosine methylation status in chemically pretreated genomic DNA. The
XX CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX CC range of diseases including immune system, gastrointestinal, respiratory,
XX CC central nervous system, cardiovascular and metabolic disorders. The
XX CC oligomers are also used for detecting cell type differentiation. ABC00010
XX CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX CC represent the oligomers described in the invention. NOTE: The sequence
XX CC data for this patent did not form part of the printed specification, but
XX CC was obtained in electronic format from WIPO at
XX CC ftp.wipo.int/pub/published_pct_sequences
XX SQ Sequence 13 BP; 4 A; 3 C; 0 G; 6 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1442 TACATGGAAGAT 1453
Db 13 TAAATGGAAGAT 2

RESULT 867
ABF15146
ID ABF15146 standard; DNA; 13 BP.
XX AC ABF15146;
XX DT 21-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 115143 for detecting SNP TSC0028844.
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX DE Oligonucleotide SEQ ID NO 52752 for detecting SNP TSC0014606.

RESULT 866
ABC52735/C
ID ABC52735 standard; DNA; 13 BP.
XX AC ABC52735;
XX DT 21-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 52752 for detecting SNP TSC0014606.

Db 13 AAATTGTTAAT 2

RESULT 865
ABC27555
ID ABC27555 standard; DNA; 13 BP.
XX AC ABC27555;
XX DT 20-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 27572 for detecting SNP TSC0007678.
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX OS Homo sapiens.
XX DR WPI; 2001-657177/75.
XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
XX PT designed to detect single-nucleotide polymorphisms and cytosine
XX PT methylation status.
XX PS Claim 1; SEQ ID NO 27572; 29pp + Sequence Listing; German.
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
XX CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX CC and cytosine methylation status in chemically pretreated genomic DNA. The
XX CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX CC range of diseases including immune system, gastrointestinal, respiratory,
XX CC central nervous system, cardiovascular and metabolic disorders. The
XX CC oligomers are also used for detecting cell type differentiation. ABC00010
XX CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX CC represent the oligomers described in the invention. NOTE: The sequence
XX CC data for this patent did not form part of the printed specification, but
XX CC was obtained in electronic format from WIPO at
XX CC ftp.wipo.int/pub/published_pct_sequences
XX SQ Sequence 13 BP; 7 A; 3 C; 0 G; 3 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1435 AGACATATACAT 1446
Db 1 AAACATATACAT 12

RESULT 866
ABC52735/C
ID ABC52735 standard; DNA; 13 BP.
XX AC ABC52735;
XX DT 21-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 52752 for detecting SNP TSC0014606.
```

PR 07-APR-2000; 2000DE-01019173.
XX (EPIG-) EPIGENOMICS AG.
PA Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
DR
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 115143; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 5 A; 0 C; 3 G; 5 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1401 GTAAATTTGTTA 1412
Db 1 GTAAATTTGTTA 12

RESULT 868
ID ABF16836 standard; DNA; 13 BP.
XX
AC ABF16836;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 116833 for detecting SNP TSC0029237.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 116833; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 2 A; 0 C; 2 G; 9 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1355 AAAAATATTCCA 1366
Db 12 AAAAATATTCCA 1

RESULT 869
ID ABF38477 standard; DNA; 13 BP.
XX
AC ABF38477;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 138474 for detecting SNP TSC0034672.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 138474; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
CC

```
XX
SQ Sequence 13 BP; 8 A; 1 C; 0 G; 4 T; 0 U; 0 Other;

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1355 AAAAATATTCCA 1366
Db 1 AAAAATATTACA 12

RESULT 870
ABF45573/c
ID ABF45573 standard; DNA; 13 BP.
XX
AC ABF45573;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 145570 for detecting SNP TSC0036660.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
AC ABF45573;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 145570 for detecting SNP TSC0036660.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 145570; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 4 A; 4 C; 0 G; 5 T; 0 U; 0 Other;

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1398 GAGGTAATAATTG 1409
Db 13 GAGGTAATAATTG 2

RESULT 871
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```
ABF98427
ID ABF98427 standard; DNA; 13 BP.
XX
AC ABF98427;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 198424 for detecting SNP TSC0008139.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 198424; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 8 A; 1 C; 0 G; 4 T; 0 U; 0 Other;

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1355 AAAAATATTCCA 1366
Db 2 AAAAATATTACA 13

RESULT 872
ABF49886
ID ABF49886 standard; DNA; 13 BP.
XX
AC ABF49886;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 149883 for detecting SNP TSC0037822.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
```


WPI; 2001-657177/75.

Set of oligonucleotides, useful for diagnosis and cell typing, is designed to detect single-nucleotide polymorphisms and cytosine methylation status.

Claim 1; SEQ ID NO 152797; 29pp + Sequence Listing; German.

This invention describes novel oligonucleotide primers or peptide nucleic acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP) and cytosine methylation status in chemically pretreated genomic DNA. The oligonucleotides are used for diagnosis and/or prognosis of cancer and a range of diseases including immune system, gastrointestinal, respiratory, central nervous system, cardiovascular and metabolic disorders. The oligomers are also used for detecting cell type differentiation. ABC00010-ABF9989, ABF0010-ABF9989, ABH0010-ABH9989 and ABI00010-ABI82073 represent the oligomers described in the invention. NOTE: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format from WIPO at ftp.wipo.int/pub/published_pct_sequences

Sequence 13 BP; 8 A; 0 C; 1 G; 4 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1403 AAAATTGTTAAT 1414
|||||
DB 1 AAAATTGTTAAT 12

RESULT 874

ABH28162

ID ABH28162 standard; DNA; 13 BP.

XX

AC ABH28162;

XX

DT 22-FEB-2002 (first entry)

XX

DE Oligonucleotide SEQ ID NO 228139 for detecting SNP TSC0055636.

XX

KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX

OS Homo sapiens.

XX

PN WO200177384-A2.

XX

PD 18-OCT-2001.

XX

PF 06-APR-2001; 2001WO-IB000713.

XX

PR 07-APR-2000; 2000DE-01019173.

XX

PA (EPIG-) EPIGENOMICS AG.

XX

PI Olek A, Piepenbrock C, Berlin K;

XX

DR WPI; 2001-657177/75.

XX

PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.

XX

PS Claim 1; SEQ ID NO 228139; 29pp + Sequence Listing; German.

XX

This invention describes novel oligonucleotide primers or peptide nucleic acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP) and cytosine methylation status in chemically pretreated genomic DNA. The oligonucleotides are used for diagnosis and/or prognosis of cancer and a

CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 2 A; 0 C; 4 G; 7 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1407 TTGTTAATGATG 1418
Db 2 TTGTTAGTGATG 13

RESULT 875
ABF88266
ID ABF88266 standard; DNA; 13 BP.
XX
AC ABF88266;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 188263 for detecting SNP TSC0046354.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.

XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.

XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
DR
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.

XX Claim 1; SEQ ID NO 188263; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences

XX Sequence 13 BP; 9 A; 0 C; 0 G; 4 T; 0 U; 0 Other;
SQ
Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;

Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1352 AAGAAAAATATT 1363
Db 1 AATAAAAAATATT 12

RESULT 876
ABF65197/c
ID ABF65197 standard; DNA; 13 BP.

XX
AC ABF65197;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 165194 for detecting SNP TSC0041433.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.

XX WO200177384-A2.

XX 18-OCT-2001.

XX 06-APR-2001; 2001WO-IB000713.

XX 07-APR-2000; 2000DE-01019173.

XX (EPIG-) EPIGENOMICS AG.

XX Olek A, Piepenbrock C, Berlin K;

XX WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.

XX Claim 1; SEQ ID NO 165194; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences

XX Sequence 13 BP; 3 A; 6 C; 0 G; 4 T; 0 U; 0 Other;

SQ
Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1447 GGAAGATGGGTT 1458
Db 12 GGAAATGGGTT 1

RESULT 877
ABF65711/c
ID ABF65711 standard; DNA; 13 BP.

XX

AC ABF65711;

XX

DT 22-FEB-2002 (first entry)
XX Oligonucleotide SEQ ID NO 165708 for detecting SNP TSC0041557.
DE
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
OS
XX WO200177384-A2.
PN
XX 18-OCT-2001.
PD
XX
XX 06-APR-2001; 2001WO-IB000713.
PF
XX
XX 07-APR-2000; 2000DE-01019173.
PR
XX (EPIG-) EPIGENOMICS AG.
PA
XX Olek A, Piepenbrock C, Berlin K;
PI
XX WPI; 2001-657177/75.
DR
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 165708; 29pp + Sequence Listing; German.
PS
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 4 A; 5 C; 0 G; 4 T; 0 U; 0 Other;
SQ
Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1446 TGAAGATGGGT 1457
DB 12 TGAAGATGGGT 1
RESULT 878
ABF91286
ID ABF91286 standard; DNA; 13 BP.
XX
XX ABF91286;
AC
XX 22-FEB-2002 (first entry)
DT
XX Oligonucleotide SEQ ID NO 191283 for detecting SNP TSC0047056.
DE
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
OS
XX WO200177384-A2.
PN
XX 18-OCT-2001.
PD

XX 06-APR-2001; 2001WO-IB000713.
PF
XX
XX 07-APR-2000; 2000DE-01019173.
PR
XX (EPIG-) EPIGENOMICS AG.
PA
XX Olek A, Piepenbrock C, Berlin K;
PI
XX WPI; 2001-657177/75.
DR
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 191283; 29pp + Sequence Listing; German.
PS
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 4 A; 0 C; 5 G; 4 T; 0 U; 0 Other;
SQ
Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1447 GGAAGATGGGT 1458
DB 2 GGAAGATGGGT 13
RESULT 879
ABH50638/c
ID ABH50638 standard; DNA; 13 BP.
XX
XX ABH50638;
AC
XX 22-FEB-2002 (first entry)
DT
XX Oligonucleotide SEQ ID NO 250615 for detecting SNP TSC0061196.
DE
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
OS
XX WO200177384-A2.
PN
XX 18-OCT-2001.
PD
XX 06-APR-2001; 2001WO-IB000713.
PF
XX 07-APR-2000; 2000DE-01019173.
PR
XX (EPIG-) EPIGENOMICS AG.
PA
XX Olek A, Piepenbrock C, Berlin K;
PI
XX WPI; 2001-657177/75.
DR
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX

PT methylation status.
XX Claim 1; SEQ ID NO 250615; 29pp + Sequence Listing; German.
PS
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 4 A; 0 C; 2 G; 7 T; 0 U; 0 Other;
Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1356 AAAATATTCCAC 1367
Db 13 AAAATATTACAC 2
RESULT 880
ABH64589/c
ID ABH64589 standard; DNA; 13 BP.
XX
AC ABH64589;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 264566 for detecting SNP TSC0064134.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
DR
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 264566; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 4 A; 0 C; 2 G; 7 T; 0 U; 0 Other;
Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1356 AAAATATTCCAC 1367
Db 13 AAAATATTACAC 2
RESULT 880
ABH64589/c
ID ABH64589 standard; DNA; 13 BP.
XX
AC ABH64589;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 264566 for detecting SNP TSC0064134.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
DR
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 264566; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence

CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 1 A; 6 C; 0 G; 6 T; 0 U; 0 Other;
Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1348 GGGGAAGAAAAA 1359
Db 12 GGGGAAGAAAAA 1
RESULT 881
ABX95960/c
ID ABX95960 standard; DNA; 13 BP.
XX
AC ABX95960;
XX
DT 27-OCT-2003 (revised)
DT 24-JUL-2003 (first entry)
XX
DE Betaine aldehyde dehydrogenase (BADH) cDNA PCR primer #1.
XX
KW Betaine aldehyde dehydrogenase; BADH; primer; ss; plant gene conversion;
KW salt tolerance; low temperature resistance; drought tolerance; sea-blite;
KW seepweed; PCR.
XX
OS Suaeda liaotungensis; kitag.
XX
PN CN1364906-A.
XX
PD 21-AUG-2002.
XX
PF 12-JAN-2001; 2001CN-00106076.
XX
PR 12-JAN-2001; 2001CN-00106076.
XX
PA (UYDA-) UNIV DALIAN SCI & ENG.
XX
PI An L, Li Q, Gao X;
XX WPI; 2003-000544/01.
XX
PT Suaeda liaotungensis kitag betaine aldehyde dehydrogenase gene and its
PT cloning.
XX
PS Example 1; Page 6 (Disclosure); 15pp; Chinese.
XX
CC The invention relates to Suaeda liaotungensis kitag betaine aldehyde
CC dehydrogenase (BADH) cDNA. BADH may be used in plant gene conversion to
CC reach the aim of raising a plant's salt tolerance, low temperature
CC resistance and drought tolerance. This sequence represents a PCR primer
CC for cDNA encoding S. liaotungensis kitag betaine aldehyde dehydrogenase.
CC (Updated on 27-OCT-2003 to standardise OS field)
XX
SQ Sequence 13 BP; 2 A; 4 C; 3 G; 4 T; 0 U; 0 Other;
Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1456 GTTGATCAAGCA 1467
Db 13 GCTGATCAAGCA 2
RESULT 882
AAV92767/c
ID AAV92767 standard; RNA; 14 BP.
XX

Wed Apr 7 08:00:48 2004

schultz911-3.rng

Search completed: April 7, 2004, 07:01:28
Job time : 42 secs

AC AAV92767;
XX
DT 18-FEB-1999 (first entry)
XX
DE Human A-raf target sequence nucleotide position 167.
XX
KW Human; c-raf; A-raf; B-raf; hammerhead ribozyme; hairpin ribozyme;
KW target; substrate; catalyst; modulation; expression; Raf gene; delivery;
KW screening; identification; synthesis; deprotection; purification; cancer;
KW inflammation; psoriasis; non-hepatic ascites; infection; genetic drift;
KW restenosis; rheumatoid arthritis; ss.

XX
OS Homo sapiens.
XX
PN WO9850530-A2.
XX
PD 12-NOV-1998.
XX
PF 05-MAY-1998; 98WO-US009249.
XX
PR 09-MAY-1997; 97US-0046059P.
PR 09-JUN-1997; 97US-0049002P.
PR 03-JUL-1997; 97US-0051718P.
PR 22-AUG-1997; 97US-0056808P.
PR 02-OCT-1997; 97US-0061321P.
PR 02-OCT-1997; 97US-0061324P.
PR 05-NOV-1997; 97US-0064866P.
PR 19-DEC-1997; 97US-0068212P.

XX (RIBO-) RIBOZYME PHARM INC.
PA
XX
XX Jarvis T, Matulic-Adamic J, Reynolds M, Kisich K, Bellon L;
PI Parry T, Beigelman L, Mcswiggen JA, Karpeisky A, Burgin A;
PI Thompson J, Workman CT, Beaudry A, Sweedler D;
XX
DR WPI; 1999-009494/01.
XX

Identifying new catalytic nucleic acid that modulates selected processes
- especially ribozymes that cleave Raf RNA for treating cancer,
restenosis, and also new ribozymes and modified nucleoside triphosphates
used as antiviral agents and synthons.

Claim 179; Page 163; 259pp; English.
XX
XX A method has been developed for the identification of a nucleic acid
capable of modulating a process in a biological system. The method
comprises: (a) introducing into the system a random library of nucleic
acid catalysts (NAC) having a substrate binding domain (SBD), comprising
a random sequence, and a catalytic domain (CD); and (b) identifying NAC
in systems where modulation has occurred and/or determining the sequence
of at least part of the SBDs in such systems. Nucleic acid molecules with
endonuclease activity and catalytic activity, from the present invention,
are used to modulate gene expression in plant and mammalian cells and to
cleave target nucleic acid, particularly for treating systemic diseases
caused by specific RNA, e.g. cancer, inflammation, psoriasis, non-hepatic
ascites and infection. They may also be used to detect genetic drift and
mutations in diseased cells and to determine c-raf RNA. Specifically NACs
with RNA-cleaving activity that modulate expression of the Raf gene, are
used to treat cancer, restenosis, psoriasis or rheumatoid arthritis, or
generally any condition associated with the level of c-raf. Introduction
of sugar/phosphate modifications increases stability against nuclease and
activity. AAV90922 to AAV93877 represent NACs that can be used in the
method, specifically for modulating the expression of a Raf gene

SQ Sequence 14 BP; 2 A; 7 C; 1 G; 0 T; 4 U; 0 Other;
Query Match 8.0%; Score 10.4; DB 1; Length 14;
Best Local Similarity 91.7%; Pred. No. 3.8e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1449 AAGATGGGTTGA 1460
Db 14 AAGATGGGCTGA 3

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OM nucleic - nucleic search, using sw model

Run on: April 7, 2004, 07:04:51 ; Search time 0.001 Seconds
(without alignments)
373.620 Million cell updates/sec

Title: us-10-006-911-3
Perfect score: 130
Sequence: 1 tcagggaagaataattc.....ggttgatcaagcaaatagga 130

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 0.5

Searched: 100 seqs, 1437 residues

Total number of hits satisfying chosen parameters: 200

Minimum DB seq length: 8
Maximum DB seq length: 50

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 101 summaries

Database : rni.seq:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match %	Length	DB ID	Description
C 1	15.2	11.7	20	1	US-09-527-154-21
2	14.8	11.4	20	1	US-08-507-032-3
3	14.8	11.4	20	1	US-09-232-346-54
C 4	14.2	10.9	20	1	US-09-198-452A-3773
5	14	10.8	18	1	US-08-432-871C-31
6	14	10.8	18	1	US-09-270-956-31
C 7	13.8	10.6	19	1	US-09-422-978-5909
C 8	13.2	10.2	18	1	US-09-344-520-37
9	12.4	9.5	15	1	US-09-081-646-628
10	12.4	9.5	17	1	US-08-998-099-112
11	12.4	9.5	17	1	US-08-998-099-113
12	12.4	9.5	17	1	US-08-998-099-114
13	12.2	9.4	17	1	US-08-373-124A-1637
14	12.2	9.4	17	1	US-08-435-628-1637
15	12.2	9.4	17	1	US-08-755-587-208
16	12.2	9.4	17	1	US-08-584-040-5557
C 17	12.2	9.4	17	1	US-08-584-040-5854
18	12.2	9.4	17	1	US-09-371-772B-2447
C 19	12.2	9.4	17	1	US-09-371-772B-2713
20	11.8	9.1	15	1	US-09-319-492B-105
C 21	11.8	9.1	15	1	US-09-081-646-267
22	11.4	8.8	15	1	US-07-906-930E-7
23	11.4	8.8	15	1	US-08-363-240A-72
24	11.4	8.8	15	1	US-08-363-240A-246
25	11.4	8.8	15	1	US-08-744-829-1
26	11.4	8.8	15	1	US-08-364-246-1
27	11.4	8.8	15	1	US-08-913-833-75
28	11.4	8.8	15	1	US-09-580-794C-75
29	11.4	8.8	15	1	US-09-081-646-197
C 30	11.4	8.8	15	1	US-09-081-646-210
C 31	11.4	8.8	15	1	US-09-081-646-860
32	11.4	8.8	16	1	US-08-913-833-76
33	11.4	8.8	16	1	US-09-580-794C-76

34	11.2	8.6	16	1	US-07-704-288C-26	Sequence 26, Appl
35	11.2	8.6	16	1	US-08-379-259-26	Sequence 26, Appl
36	11.2	8.6	16	1	US-09-479-005A-61	Sequence 61, Appl
C 37	11	8.5	11	1	US-08-173-489C-236	Sequence 296, App
38	11	8.5	14	1	US-09-375-673B-6	Sequence 6, Appli
C 39	10.8	8.3	14	1	US-08-706-945D-86	Sequence 86, Appl
C 40	10.8	8.3	14	1	US-09-375-673B-27	Sequence 27, Appl
41	10.8	8.3	15	1	US-08-319-492B-104	Sequence 104, App
42	10.8	8.3	15	1	US-08-319-492B-106	Sequence 106, App
C 43	10.8	8.3	15	1	US-08-319-492B-423	Sequence 423, App
44	10.8	8.3	15	1	US-08-452-724A-30	Sequence 30, Appl
45	10.8	8.3	15	1	US-08-292-620A-388	Sequence 388, App
46	10.8	8.3	15	1	US-08-292-620A-699	Sequence 699, App
47	10.8	8.3	15	1	US-09-071-845-388	Sequence 388, App
48	10.8	8.3	15	1	US-09-071-845-699	Sequence 699, App
49	10.8	8.3	15	1	US-09-081-646-657	Sequence 657, App
50	10.8	8.3	15	1	US-08-453-623-30	Sequence 30, Appl
C 51	10.4	8.0	12	1	US-08-173-489C-190	Sequence 190, App
52	10.4	8.0	13	1	US-08-927-219-9	Sequence 9, Appli
53	10	7.7	10	1	US-08-173-489C-279	Sequence 279, App
54	10	7.7	10	1	US-09-508-753B-113	Sequence 113, App
C 55	10	7.7	11	1	US-08-173-489C-25	Sequence 25, Appl
C 56	10	7.7	11	1	US-08-173-489C-132	Sequence 132, App
C 57	10	7.7	12	1	US-09-384-327-3	Sequence 3, Appli
C 58	10	7.7	12	1	US-08-458-372-3	Sequence 3, Appli
59	10	7.7	13	1	US-08-173-489C-333	Sequence 333, App
60	10	7.7	14	1	US-09-374-135-9	Sequence 9, Appli
61	10	7.7	14	1	US-09-410-132-5	Sequence 5, Appli
62	10	7.7	14	1	US-09-702-114A-3	Sequence 3, Appli
63	10	7.7	14	1	US-09-638-203-11	Sequence 11, Appl
64	10	7.7	14	1	US-09-375-673B-10	Sequence 10, Appl
65	10	7.7	14	1	US-09-409-938-9	Sequence 9, Appli
66	9.8	7.5	13	1	US-08-372-183-5	Sequence 5, Appli
67	9.8	7.5	13	1	US-08-607-078-3	Sequence 3, Appli
68	9.8	7.5	13	1	US-09-469-721-5	Sequence 5, Appli
69	9.8	7.5	13	1	US-09-696-443-5	Sequence 5, Appli
70	9.8	7.5	13	1	US-09-359-921-3	Sequence 3, Appli
71	9.8	7.5	13	1	US-09-360-344-3	Sequence 3, Appli
72	9.8	7.5	13	1	PCT-US95-17023-5	Sequence 5, Appli
C 73	9.8	7.5	14	1	US-08-393-734-8	Sequence 8, Appli
C 74	9.8	7.5	14	1	US-08-836-022A-8	Sequence 8, Appli
75	9.8	7.5	14	1	US-08-913-833-78	Sequence 78, Appl
C 76	9.8	7.5	14	1	US-08-894-489-8	Sequence 8, Appli
C 77	9.8	7.5	14	1	US-09-427-048A-8	Sequence 8, Appli
78	9.8	7.5	14	1	US-09-580-794C-78	Sequence 78, Appl
C 79	9.8	7.5	14	1	US-09-475-947A-6	Sequence 6, Appli
C 80	9.8	7.5	14	1	US-09-874-601-123	Sequence 123, App
81	9.8	7.5	14	1	5223407-5	Patent No. 5223407
82	9.8	7.5	14	1	5223407-6	Patent No. 5223407
83	9.4	7.2	11	1	US-07-910-867B-15	Sequence 15, Appl
84	9.4	7.2	11	1	US-08-346-613-15	Sequence 15, Appl
C 85	9.4	7.2	11	1	US-08-983-108-24	Sequence 24, Appl
C 86	9.4	7.2	11	1	US-08-929-856-2	Sequence 2, Appli
C 87	9.4	7.2	11	1	US-08-929-856-2	Sequence 2, Appli
88	9.4	7.2	11	1	PCT-US96-09430-19	Sequence 19, Appl
89	9.4	7.2	12	1	US-08-035-928-8	Sequence 8, Appli
90	9.4	7.2	12	1	US-08-214-603-13	Sequence 13, Appl
91	9.4	7.2	12	1	US-08-441-887A-119	Sequence 119, App
C 92	9.4	7.2	12	1	US-08-173-489C-86	Sequence 86, Appl
93	9.4	7.2	12	1	US-09-281-418-187	Sequence 187, App
94	9.4	7.2	12	1	US-08-927-165A-16	Sequence 16, Appl
C 95	9.4	7.2	13	1	US-08-441-887A-28	Sequence 28, Appl
96	9.4	7.2	13	1	US-08-441-887A-117	Sequence 117, App
97	9.4	7.2	13	1	US-08-430-521-1	Sequence 1, Appli
98	9.4	7.2	13	1	US-08-508-761B-13	Sequence 13, Appl
99	9.4	7.2	13	1	US-08-676-818-25	Sequence 25, Appl
100	9.4	7.2	13	1	US-09-407-549-25	Sequence 25, Appl
C 101	9.2	7.1	12	1	PCT-US91-03680-108	Sequence 108, App

ALIGNMENTS

```

RESULT 1
US-09-527-154-21/c
; Sequence 21, Application US/09527154
; Patent No. 6228648
; GENERAL INFORMATION:
; APPLICANT: Thomas P. Condon
; APPLICANT: Shin Cheng Fluornoy
; TITLE OF INVENTION: ANTISENSE MODULATION OF ADAM10 EXPRESSION
; FILE REFERENCE: ISPH-0446
; CURRENT APPLICATION NUMBER: US/09/527,154
; CURRENT FILING DATE: 2000-03-17
; NUMBER OF SEQ ID NOS: 23
; SEQ ID NO 21
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
US-09-527-154-21

Query Match      11.7%; Score 15.2; DB 1; Length 20;
Best Local Similarity 85.0%; Pred. No. 4.8;
Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY      1424 TCGTTCATGCAGACATATA 1443
DB      20 TTGTTATATGCAGACATGTA 1

RESULT 2
US-08-507-032-3
; Sequence 3, Application US/08507032
; Patent No. 5989810
; GENERAL INFORMATION:
; APPLICANT: Flanagan, William A.
; APPLICANT: Crabtree, Gerald R.
; TITLE OF INVENTION: Screening Methods for Immunosuppressive
; TITLE OF INVENTION: Agents
; NUMBER OF SEQUENCES: 19
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: William M. Smith
; STREET: One Market Plaza, Steuart Tower, Suite 2000
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94105
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/507,032
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/228,944
; FILING DATE:
; APPLICATION NUMBER: US 07/749,385
; FILING DATE: 22-AUG-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Smith, William M.
; REGISTRATION NUMBER: 30,223
; REFERENCE/DOCKET NUMBER: 5490A-89
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415-326-2400
; TELEFAX: 415-326-2422
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 20 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear

```

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; MOLECULE TYPE: DNA (genomic)
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: 1..20
; OTHER INFORMATION: /note= "Purine Rich Core Sequence"
US-08-507-032-3

Query Match      11.4%; Score 14.8; DB 1; Length 20;
Best Local Similarity 88.9%; Pred. No. 6;
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      1394 AAAGGAGGTAAAAATTGTT 1411
DB      2 AAAGGAGGAAAAAACTGTT 19

RESULT 3
US-09-232-346-54
; Sequence 54, Application US/09232346
; Patent No. 6352830
; GENERAL INFORMATION:
; APPLICANT: Crabtree, Gerald R.
; APPLICANT: No. 6352830throp, Jeffrey P.
; APPLICANT: Ho, Steffan M.
; APPLICANT: Flanagan, William M.
; TITLE OF INVENTION: NP-AT POLYPEPTIDES AND POLYNUCLEOTIDES AND SCREENING
; TITLE OF INVENTION: METHODS FOR IMMUNOSUPPRESSIVE AGENTS
; FILE REFERENCE: APV-008.04
; CURRENT APPLICATION NUMBER: US/09/232,346
; CURRENT FILING DATE: 1999-01-15
; PRIOR APPLICATION NUMBER: 08/507,032
; PRIOR FILING DATE: 1995-07-31
; PRIOR APPLICATION NUMBER: 08/228,944
; PRIOR FILING DATE: 1994-04-18
; PRIOR APPLICATION NUMBER: 07/749,385
; PRIOR FILING DATE: 1991-08-22
; PRIOR APPLICATION NUMBER: 08/260,174
; PRIOR FILING DATE: 1994-06-13
; PRIOR APPLICATION NUMBER: 08/124,981
; PRIOR FILING DATE: 1993-09-20
; NUMBER OF SEQ ID NOS: 62
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 54
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Unknown
; FEATURE:
; OTHER INFORMATION: Description of Unknown Organism: putative NP-AT
; OTHER INFORMATION: binding site
US-09-232-346-54

Query Match      11.4%; Score 14.8; DB 1; Length 20;
Best Local Similarity 88.9%; Pred. No. 6;
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      1394 AAAGGAGGTAAAAATTGTT 1411
DB      2 AAAGGAGGAAAAAACTGTT 19

RESULT 4
US-09-198-452A-3773/c
; Sequence 3773, Application US/09198452A
; Patent No. 6559294
; GENERAL INFORMATION:
; APPLICANT: Griffais, R.
; TITLE OF INVENTION: Chlamydia pneumoniae genomic sequence and polypeptides, fragmen
; TITLE OF INVENTION: thereof and uses thereof, in particular for the diagnosis, pre
; TITLE OF INVENTION: and treatment of infection
; FILE REFERENCE: 9710-003-999
; CURRENT APPLICATION NUMBER: US/09/198,452A
; CURRENT FILING DATE: 1998-11-24
; NUMBER OF SEQ ID NOS: 6849

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```

; SEQ ID NO 3773
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Chlamydia pneumoniae
US-09-198-452A-3773

Query Match      10.9%; Score 14.2; DB 1; Length 20;
Best Local Similarity 84.2%; Pred. No. 8.1;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY      1354 GAAAAATATTCACGCATC 1372
Db      20 GAAAAAATCGCAGCATC 2

RESULT 5
US-08-432-871C-31
; Sequence 31, Application US/08432871C
; Patent No. 5877010
; GENERAL INFORMATION:
; APPLICANT: Loeb, Lawrence A.
; APPLICANT: Black, Margaret E.
; TITLE OF INVENTION: THYMIDINE KINASE MUTANTS
; NUMBER OF SEQUENCES: 104
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Seed and Berry LLP
; STREET: 6300 Columbia Center, 701 Fifth Avenue
; CITY: Seattle
; STATE: Washington
; COUNTRY: US
; ZIP: 98104-7092
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/432,871C
; FILING DATE: 02-MAY-1995
; CLASSIFICATION: 514
; ATTORNEY/AGENT INFORMATION:
; NAME: McMasters, David D.
; REGISTRATION NUMBER: 33,963
; REFERENCE/DOCKET NUMBER: 240052.409C1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (206) 622-4900
; TELEFAX: (206) 682-6031
; TELEX: 3723836
; INFORMATION FOR SEQ ID NO: 31:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 18 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
US-08-432-871C-31

Query Match      10.8%; Score 14; DB 1; Length 18;
Best Local Similarity 100.0%; Pred. No. 7.9;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1409 GTTAATGATGACCA 1422
Db      1 GTTAATGATGACCA 14

RESULT 6
US-09-270-956-31
; Sequence 31, Application US/09270956
; Patent No. 6451571
; GENERAL INFORMATION:
; APPLICANT: Loeb, Lawrence A.
; APPLICANT: Black, Margaret E.
; TITLE OF INVENTION: THYMIDINE KINASE MUTANTS
```

```

; NUMBER OF SEQUENCES: 104
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: SEED and BERRY LLP
; STREET: 6300 Columbia Center, 701 Fifth Avenue
; CITY: Seattle
; STATE: Washington
; COUNTRY: US
; ZIP: 98104-7092
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/270,956
; FILING DATE: 17-MAR-1999
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: McMasters, David D.
; REGISTRATION NUMBER: 33,963
; REFERENCE/DOCKET NUMBER: 240052.409C3
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (206) 622-4900
; TELEFAX: (206) 682-6031
; TELEX: 3723836
; INFORMATION FOR SEQ ID NO: 31:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 18 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
US-09-270-956-31

Query Match      10.8%; Score 14; DB 1; Length 18;
Best Local Similarity 100.0%; Pred. No. 7.9;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1409 GTTAATGATGACCA 1422
Db      1 GTTAATGATGACCA 14

RESULT 7
US-09-422-978-5909/c
; Sequence 5909, Application US/09422978
; Patent No. 6537751
; GENERAL INFORMATION:
; APPLICANT: Cohen, Daniel
; APPLICANT: Blumenfeld, Marta
; APPLICANT: Chumakov, Ilya
; TITLE OF INVENTION: Biallelic markers for use in constructing a high density...
; FILE REFERENCE: GENSET.020CPI
; CURRENT APPLICATION NUMBER: US/09/422,978
; CURRENT FILING DATE: 1999-10-20
; EARLIER APPLICATION NUMBER: US 09/298,850
; EARLIER FILING DATE: 1999-04-21
; EARLIER APPLICATION NUMBER: US 60/109,732
; EARLIER FILING DATE: 1998-11-23
; EARLIER APPLICATION NUMBER: US 60/082,614
; EARLIER FILING DATE: 1998-04-21
; NUMBER OF SEQ ID NOS: 11796
; SEQ ID NO 5909
; LENGTH: 19
; TYPE: DNA
; ORGANISM: Homo Sapiens
; FEATURE:
; NAME/KEY: primer_bind
; LOCATION: 1..19
; OTHER INFORMATION: upstream amplification primer 99-7737 for SEQ 1975,
US-09-422-978-5909

Query Match      10.6%; Score 13.8; DB 1; Length 19;
Best Local Similarity 88.2%; Pred. No. 9.3;
```


Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1354 GAAAAATATTCCACGCA 1370
|||||
Db 19 GAAAAATAGTACACGCA 3

RESULT 8
US-09-344-520-37/C
; Sequence 37, Application US/09344520
; Patent No. 6037176
; GENERAL INFORMATION:
; APPLICANT: Frank Bennett
; APPLICANT: Brett P. Monia
; APPLICANT: Lex M. Cowser
; TITLE OF INVENTION: ANTISENSE MODULATION OF integrin beta 3 EXPRESSION
; FILE REFERENCE: RTS-0070
; CURRENT APPLICATION NUMBER: US/09/344,520
; CURRENT FILING DATE: 1999-06-25
; NUMBER OF SEQ ID NOS: 47
; SEQ ID NO 37
; LENGTH: 18
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
US-09-344-520-37

Query Match 10.2%; Score 13.2; DB 1; Length 18;
Best Local Similarity 83.3%; Pred. No. 12;
Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1410 TTAATGATGACCACTCGT 1427
|||||
Db 18 TTAATGATAAGCAGTCAT 1

RESULT 9
US-09-081-646-628
; Sequence 628, Application US/09081646
; Patent No. 6333152
; GENERAL INFORMATION:
; APPLICANT: Kinzler, Kenneth
; APPLICANT: Vogelstein, Bert
; APPLICANT: Zhang, Lin
; APPLICANT: Zhou, Wei
; TITLE OF INVENTION: Gene Expression Profiles in No. 6333152mal and
; FILE REFERENCE: 01107.74664
; CURRENT APPLICATION NUMBER: US/09/081,646
; CURRENT FILING DATE: 1998-05-20
; EARLIER APPLICATION NUMBER: 60/047,352
; EARLIER FILING DATE: 1997-05-21
; NUMBER OF SEQ ID NOS: 871
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 628
; LENGTH: 15
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-081-646-628

Query Match 9.5%; Score 12.4; DB 1; Length 15;
Best Local Similarity 92.9%; Pred. No. 14;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1444 CATGGAAGATGGGT 1457
|||||
Db 1 CATGGAAGATGTGT 14

RESULT 10
US-08-998-099-112
; Sequence 112, Application US/08998099A

; Patent No. 6103890
; GENERAL INFORMATION:
; APPLICANT: JARVIS, THALE
; APPLICANT: MCSWIGGEN, JAMES A.
; APPLICANT: STINCHCOMB, DAN T.
; TITLE OF INVENTION: ENZYMATIC NUCLEIC ACID TREATMENT OF DISEASES
; FILE REFERENCE: 231/175
; CURRENT APPLICATION NUMBER: US/08/998,099A
; CURRENT FILING DATE: 1997-12-24
; EARLIER APPLICATION NUMBER: 60/037,658
; EARLIER FILING DATE: 1997-01-23
; EARLIER APPLICATION NUMBER: 08/373,124
; EARLIER FILING DATE: 1995-01-13
; EARLIER APPLICATION NUMBER: 08/245,466
; EARLIER FILING DATE: 1994-05-18
; NUMBER OF SEQ ID NOS: 375
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 112
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-08-998-099-112

Query Match 9.5%; Score 12.4; DB 1; Length 17;
Best Local Similarity 57.1%; Pred. No. 17;
Matches 8; Conservative 5; Mismatches 1; Indels 0; Gaps 0;

QY 1423 GTCGTTCTATGCAG 1436
|:|:|:|:|:|
Db 4 GUCCUUCUAUGCAG 17

RESULT 11
US-08-998-099-113
; Sequence 113, Application US/08998099A
; Patent No. 6103890
; GENERAL INFORMATION:
; APPLICANT: JARVIS, THALE
; APPLICANT: MCSWIGGEN, JAMES A.
; APPLICANT: STINCHCOMB, DAN T.
; TITLE OF INVENTION: ENZYMATIC NUCLEIC ACID TREATMENT OF DISEASES
; FILE REFERENCE: 231/175
; CURRENT APPLICATION NUMBER: US/08/998,099A
; CURRENT FILING DATE: 1997-12-24
; EARLIER APPLICATION NUMBER: 60/037,658
; EARLIER FILING DATE: 1997-01-23
; EARLIER APPLICATION NUMBER: 08/373,124
; EARLIER FILING DATE: 1995-01-13
; EARLIER APPLICATION NUMBER: 08/245,466
; EARLIER FILING DATE: 1994-05-18
; NUMBER OF SEQ ID NOS: 375
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 113
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-08-998-099-113

Query Match 9.5%; Score 12.4; DB 1; Length 17;
Best Local Similarity 57.1%; Pred. No. 17;
Matches 8; Conservative 5; Mismatches 1; Indels 0; Gaps 0;

QY 1423 GTCGTTCTATGCAG 1436
|:|:|:|:|:|
Db 3 GUCCUUCUAUGCAG 16

RESULT 12
US-08-998-099-114
; Sequence 114, Application US/08998099A
; Patent No. 6103890

```

; GENERAL INFORMATION:
;
; APPLICANT: JARVIS, THALE
;
; APPLICANT: MCSWIGGEN, JAMES A.
;
; APPLICANT: STINCHCOMB, DAN T.
;
; TITLE OF INVENTION: ENZYMATIC NUCLEIC ACID TREATMENT OF DISEASES
;
; TITLE OF INVENTION: OR CONDITIONS RELATED TO LEVELS OF C-FOS
;
; FILE REFERENCE: 231/175
;
; CURRENT APPLICATION NUMBER: US/08/998,099A
;
; CURRENT FILING DATE: 1997-12-24
;
; EARLIER APPLICATION NUMBER: 60/037,658
;
; EARLIER FILING DATE: 1997-01-23
;
; EARLIER APPLICATION NUMBER: 08/373,124
;
; EARLIER FILING DATE: 1995-01-13
;
; EARLIER APPLICATION NUMBER: 08/245,466
;
; EARLIER FILING DATE: 1994-05-18
;
; NUMBER OF SEQ ID NOS: 375
;
; SOFTWARE: FastSEQ for Windows Version 3.0
;
; SEQ ID NO 114
;
; LENGTH: 17
;
; TYPE: RNA
;
; ORGANISM: Homo sapiens
;
; US-08-998-099-114

```

Query Match 9.5%; Score 12.4; DB 1; Length 17;
Best Local Similarity 57.1%; Pred. No. 17;
Matches 8: Conservative 5; Mismatches 1; Indels 0; Gaps 0;

Qy 1423 GTCGTTCTATGCAG 1436
| : | : | : | : |
pb 1 GUCCUUCUAUGCAG 14

RESULT 13
US-08-373-124A-1637
; Sequence 1637, Application US/08373124A
; Patent No. 5646042
; GENERAL INFORMATION:
; APPLICANT: Stinchcomb, Dan T.
; APPLICANT: Draper, Kenneth
; APPLICANT: McSwiggen, James
; APPLICANT: Jarvis, Thale
; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR
; TITLE OF INVENTION: TREATMENT OF STENOSIS AND
; TITLE OF INVENTION: CANCER USING RIBOZYMES
; NUMBER OF SEQUENCES: 2627
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: 633 West Fifth Street
; STREET: Suite 4700
; CITY: Los Angeles
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 90071
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
; MEDIUM TYPE: storage
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: IBM P.C. DOS 5.0
; SOFTWARE: Word Perfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/373,124A
; FILING DATE: January 13, 1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/245,466
; FILING DATE: May 18, 1994
; APPLICATION NUMBER: 08/192,943
; FILING DATE: February 7, 1994
; APPLICATION NUMBER: 07/987,132
; FILING DATE: December 7, 1992
; APPLICATION NUMBER: 07/936,422
; FILING DATE: August 26, 1992
; ATTORNEY/AGENT INFORMATION:
; NAME: Warburg, Richard

REGISTRATION NUMBER: 32,327
REFERENCE/DOCKET NUMBER: 209/035
TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 489-1600
TELEFAX: (213) 955-0440
TELEX: 67-3510
INFORMATION FOR SEQ ID NO: 1637:
SEQUENCE CHARACTERISTICS:
LENGTH: 17 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-373-124A-1637

Query Match 9.4%; Score 12.2; DB 1; Length 17;
Best Local Similarity 52.9%; Pred. No. 18;
Matches 9; Conservative 5; Mismatches 3; Indels 0; Gaps 0;

Qy 1380 ATCGTCTTCTGATCAA 1396
|||:::|:|
Db 1 AACUUCUUCGUCUCAA 17

RESULT 14
US-08-435-628-1637
; Sequence 1637, Application US/08435628
; Patent No. 5817796
; GENERAL INFORMATION:
; APPLICANT: Stinchcomb, Dan T.
; APPLICANT: Draper, Kenneth
; APPLICANT: McSwiggen, James
; APPLICANT: Jarvis, Thale
; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR
; TITLE OF INVENTION: TREATMENT OF RESTENOSIS AND
; TITLE OF INVENTION: CANCER USING RIBOZYMES
; NUMBER OF SEQUENCES: 2627
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: 633 West Fifth Street
; STREET: Suite 4700
; CITY: Los Angeles
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 90071
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
; MEDIUM TYPE: storage
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: IBM P.C. DOS 5.0
; SOFTWARE: Word Perfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/435,628
; FILING DATE: 05-MAY-1995
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/373,124
; FILING DATE: January 13, 1995
; APPLICATION NUMBER: 08/245,466
; FILING DATE: May 18, 1994
; APPLICATION NUMBER: 08/192,943
; FILING DATE: February 7, 1994
; APPLICATION NUMBER: 07/987,132
; FILING DATE: December 7, 1992
; APPLICATION NUMBER: 07/936,422
; FILING DATE: August 26, 1992
; ATTORNEY/AGENT INFORMATION:
; NAME: Warburg, Richard
; REGISTRATION NUMBER: 32,327
; REFERENCE/DOCKET NUMBER: 209/035
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (213) 489-1600
; TELEFAX: (213) 955-0440
; TELEEX: 67-3510

INFORMATION FOR SEQ ID NO: 1637:
SEQUENCE CHARACTERISTICS:
LENGTH: 17 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-435-628-1637

Query Match 9.4%; Score 12.2; DB 1; Length 17;
Best Local Similarity 52.9%; Pred. No. 18;
Matches 9; Conservative 5; Mismatches 3; Indels 0; Gaps 0;

QY 1380 ATCGTCTTCTGATCAA 1396
||:|:|:|:|:|:|
Db 1 AACUUCUUCGUCUCAA 17

RESULT 15
US-08-755-587-208
; Sequence 208, Application US/08755587
; Patent No. 6045997
; GENERAL INFORMATION:
; APPLICANT: Futreal, Phillip A
; APPLICANT: Wooster, Richard F
; APPLICANT: Ashworth, Alan
; APPLICANT: Stratton, Michael R
; TITLE OF INVENTION: Materials and methods relating to the
; TITLE OF INVENTION: identification and sequencing of the BRCA2 cancer
; TITLE OF INVENTION: susceptibility gene and uses thereof.
; NUMBER OF SEQUENCES: 222
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Bell Seltzer Park & Gibson
; STREET: 310 UCB Plaza, 3605 Glenwood Avenue, PO Drawer 31107
; CITY: Raleigh
; STATE: NC
; COUNTRY: USA
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent Release #1.0, Version #1.25 (EPO)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/755.587
; FILING DATE: 25-NOV-1996
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: GB 9523959.6
; FILING DATE: 23-NOV-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: GB 9525555.0
; FILING DATE: 14-DEC-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: GB 9617961.9
; FILING DATE: 28-AUG-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Kenneth D Sibley
; REGISTRATION NUMBER: 31,665
; REFERENCE/DOCKET NUMBER: 5405-135
; INFORMATION FOR SEQ ID NO: 208:
SEQUENCE CHARACTERISTICS:
LENGTH: 17 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
FEATURE:
NAME/KEY: misc_feature
LOCATION: 6
OTHER INFORMATION: /note= "N is i"
FEATURE:
NAME/KEY: misc_feature
LOCATION: 9
OTHER INFORMATION: /note= "N is i"

US-08-755-587-208

Query Match 9.4%; Score 12.2; DB 1; Length 17;
Best Local Similarity 64.7%; Pred. No. 18;
Matches 11; Conservative 3; Mismatches 3; Indels 0; Gaps 0;

QY 1395 AAGGAGGTAAATTTGTT 1411
||:|:|:|:|:|:|
Db 1 AARGCNGTNAARTTRTT 17

RESULT 16
US-08-584-040-5557
; Sequence 5557, Application US/08584040
; Patent No. 6346398
; GENERAL INFORMATION:
; APPLICANT: Pavco, Pamela
; APPLICANT: McSwiggen, James
; APPLICANT: Stinchcomb, Dan T.
; APPLICANT: Escobedo, Jaime
; TITLE OF INVENTION: METHOD AND REAGENT FOR THE
; TITLE OF INVENTION: TREATMENT OF DISEASES OR
; TITLE OF INVENTION: CONDITIONS RELATED TO LEVELS
; TITLE OF INVENTION: OF VASCULAR ENDOTHELIAL
; TITLE OF INVENTION: GROWTH FACTOR
; NUMBER OF SEQUENCES: 8502
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: 633 West Fifth Street
; STREET: Suite 4700
; CITY: Los Angeles
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 90071-2066
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
; MEDIUM TYPE: storage
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: IBM P.C. DOS 5.0
; SOFTWARE: Word Perfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/584,040
; FILING DATE: January 11, 1996
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/005,974
; FILING DATE: October 26, 1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Warburg, Richard J.
; REGISTRATION NUMBER: 32,327
; REFERENCE/DOCKET NUMBER: 218/064
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (213) 489-1600
; TELEFAX: (213) 955-0440
; TELEX: 67-3510
; INFORMATION FOR SEQ ID NO: 5557:
SEQUENCE CHARACTERISTICS:
LENGTH: 17 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-584-040-5557

Query Match 9.4%; Score 12.2; DB 1; Length 17;
Best Local Similarity 70.6%; Pred. No. 18;
Matches 12; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

QY 1433 GCAGACATATACATGGA 1449
|||||:|:|:|
Db 1 GCAGACAUUGACAUCCA 17

RESULT 17
US-08-584-040-5854/c
; Sequence 5854, Application US/08584040

Patent No. 6346398
GENERAL INFORMATION:
APPLICANT: Pavco, Pamela
APPLICANT: McSwiggen, James
APPLICANT: Stinchcomb, Dan T.
APPLICANT: Escobedo, Jaime
TITLE OF INVENTION: METHOD AND REAGENT FOR THE
TITLE OF INVENTION: TREATMENT OF DISEASES OR
TITLE OF INVENTION: CONDITIONS RELATED TO LEVELS
TITLE OF INVENTION: OF VASCULAR ENDOTHELIAL
TITLE OF INVENTION: GROWTH FACTOR
NUMBER OF SEQUENCES: 8502
CORRESPONDENCE ADDRESS:
ADDRESSEE: Lyon & Lyon
STREET: 633 West Fifth Street
STREET: Suite 4700
CITY: Los Angeles
STATE: California
COUNTRY: U.S.A.
ZIP: 90071-2066
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: storage
COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: Word Perfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/584,040
FILING DATE: January 11, 1996
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 60/005,974
FILING DATE: October 26, 1995
ATTORNEY/AGENT INFORMATION:
NAME: Warburg, Richard J.
REGISTRATION NUMBER: 32,327
REFERENCE/DOCKET NUMBER: 218/064
TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 489-1600
TELEFAX: (213) 955-0440
TELEX: 67-3510
INFORMATION FOR SEQ ID NO: 5854:
SEQUENCE CHARACTERISTICS:
LENGTH: 17 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-584-040-5854

Query Match 9.4%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 18;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1346 CAGGGGAAGAAAATAT 1362
Db 17 CATTGGAAGACAATAT 1

RESULT 18
US-09-371-772B-2447
Sequence 2447, Application US/09371772B
Patent No. 6566127
GENERAL INFORMATION:
APPLICANT: Ribozyne Pharmaceuticals, Inc.
APPLICANT: Pavco, Pam
APPLICANT: McSwiggen, Jim
APPLICANT: Stinchcomb, Dan
APPLICANT: Escobedo, Jaime
TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re
TITLE OF INVENTION: Levels of Vascular Endothelial Growth Factor Receptor
FILE REFERENCE: MHB00,876-J (237/198)
CURRENT APPLICATION NUMBER: US/09/371,772B
CURRENT FILING DATE: 1999-08-10

PRIOR APPLICATION NUMBER: US 60/005,974
PRIOR FILING DATE: 1995-10-26
PRIOR APPLICATION NUMBER: US 08/584,040
PRIOR FILING DATE: 1996-01-08
NUMBER OF SEQ ID NOS: 14225
SOFTWARE: PatentIn version 3.0
SEQ ID NO 2447
LENGTH: 17
TYPE: RNA
ORGANISM: Mus sp.
US-09-371-772B-2447

Query Match 9.4%; Score 12.2; DB 1; Length 17;
Best Local Similarity 70.6%; Pred. No. 18;
Matches 12; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

Qy 1433 GCAGACATATACATCGA 1449
Db 1 GCAGACAUGACAUCA 17

RESULT 19
US-09-371-772B-2713/c
Sequence 2713, Application US/09371772B
Patent No. 6566127
GENERAL INFORMATION:
APPLICANT: Ribozyne Pharmaceuticals, Inc.
APPLICANT: Pavco, Pam
APPLICANT: McSwiggen, Jim
APPLICANT: Stinchcomb, Dan
APPLICANT: Escobedo, Jaime
TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions
TITLE OF INVENTION: Levels of Vascular Endothelial Growth Factor Receptor
FILE REFERENCE: MHB00,876-J (237/198)
CURRENT APPLICATION NUMBER: US/09/371,772B
CURRENT FILING DATE: 1999-08-10
PRIOR APPLICATION NUMBER: US 60/005,974
PRIOR FILING DATE: 1995-10-26
PRIOR APPLICATION NUMBER: US 08/584,040
PRIOR FILING DATE: 1996-01-08
NUMBER OF SEQ ID NOS: 14225
SOFTWARE: PatentIn version 3.0
SEQ ID NO 2713
LENGTH: 17
TYPE: RNA
ORGANISM: Mus sp.
US-09-371-772B-2713

Query Match 9.4%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 18;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1346 CAGGGGAAGAAAATAT 1362
Db 17 CATTGGAAGACAATAT 1

RESULT 20
US-08-319-492B-105
Sequence 105, Application US/08319492B
Patent No. 5616488
GENERAL INFORMATION:
APPLICANT: Sullivan, Sean M.
APPLICANT: Draper, Kenneth G.
APPLICANT: McSwiggen, James
APPLICANT: Stinchcomb, Dan T.
TITLE OF INVENTION: RIBOZYME TREATMENT OF DISEASES
TITLE OF INVENTION: OR CONDITIONS RELATED TO LEVELS
TITLE OF INVENTION: OF IL-5
NUMBER OF SEQUENCES: 751
CORRESPONDENCE ADDRESS:
ADDRESSEE: Lyon & Lyon
STREET: 633 West Fifth Street

STREET: Suite 4700
CITY: Los Angeles
STATE: California
COUNTRY: U.S.A.
ZIP: 90071
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: Storage
COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: Word Perfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/319,492B
FILING DATE: October 7, 1994
PRIOR APPLICATION DATA: including application
PRIOR APPLICATION DATA: described below:
APPLICATION NUMBER: 08/008,895
FILING DATE: January 19, 1993
APPLICATION NUMBER: 07/989,849
FILING DATE: December 7, 1992
ATTORNEY/AGENT INFORMATION:
NAME: Warburg, Richard
REGISTRATION NUMBER: 32,327
REFERENCE/DOCKET NUMBER: 209/276
TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 489-1600
TELEFAX: (213) 955-0440
TELEX: 67-3510
INFORMATION FOR SEQ ID NO: 105:
SEQUENCE CHARACTERISTICS:
LENGTH: 15 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-319-492B-105
Query Match 9.1%; Score 11.8; DB 1; Length 15;
Best Local Similarity 60.0%; Pred. No. 19;
Matches 9; Conservative 4; Mismatches 2; Indels 0; Gaps 0;
QY 1357 AAATATTCCACGCAT 1371
Db 1 AAAUAUUUCAGGCAU 15
RESULT 21
US-09-081-646-267/c
Sequence 267, Application US/09081646
Patent No. 6333152
GENERAL INFORMATION:
APPLICANT: Kinzler, Kenneth
APPLICANT: Vogelstein, Bert
APPLICANT: Zhang, Lin
APPLICANT: Zhou, Wei
TITLE OF INVENTION: Gene Expression Profiles in No. 6333152mal and
Cancer Cells
FILE REFERENCE: 01107.74664
CURRENT APPLICATION NUMBER: US/09/081,646
CURRENT FILING DATE: 1998-05-20
EARLIER APPLICATION NUMBER: 60/047,352
EARLIER FILING DATE: 1997-05-21
NUMBER OF SEQ ID NOS: 871
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 267
LENGTH: 15
TYPE: DNA
ORGANISM: Homo sapiens
US-09-081-646-267
Query Match 9.1%; Score 11.8; DB 1; Length 15;
Best Local Similarity 86.7%; Pred. No. 19;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1433 GCAGACATATACATG 1447
Db 15 GTAGACAGATACATG 1
RESULT 22
US-07-906-930E-7
Sequence 7, Application US/07906930E
Patent No. 5534631
GENERAL INFORMATION:
APPLICANT: Gaynor, Richard B.
APPLICANT: Nirula, Ajay
APPLICANT: Li, Ching
TITLE OF INVENTION: DNA ENCODING THE INTERLEUKIN BINDING
TITLE OF INVENTION: FACTOR (ILF)
NUMBER OF SEQUENCES: 33
CORRESPONDENCE ADDRESS:
ADDRESSEE: Arnold, White & Durkee
STREET: P. O. Box 4433
CITY: Houston
STATE: Texas
COUNTRY: USA
ZIP: 77210
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/906,930E
FILING DATE: 30-JUN-1992
CLASSIFICATION: 536
ATTORNEY/AGENT INFORMATION:
NAME: Sertich, Gary J.
REGISTRATION NUMBER: 34,430
REFERENCE/DOCKET NUMBER: UTSD:262/SER
TELECOMMUNICATION INFORMATION:
TELEPHONE: 512-418-3000
TELEFAX: 512-474-7577
TELEX: NOT APPLICABLE
INFORMATION FOR SEQ ID NO: 7:
SEQUENCE CHARACTERISTICS:
LENGTH: 15 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: other nucleic acid
DESCRIPTION: /desc = "DNA"
US-07-906-930E-7
Query Match 8.8%; Score 11.4; DB 1; Length 15;
Best Local Similarity 92.3%; Pred. No. 23;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1394 AAAGGAGGTAAA 1406
Db 3 AAAGGAGGAAAA 15
RESULT 23
US-08-363-240A-72
Sequence 72, Application US/08363240A
Patent No. 5705388
GENERAL INFORMATION:
APPLICANT: Couture, Larry
APPLICANT: McSwiggen, James
APPLICANT: Bisgaler, Charles
APPLICANT: Pape, Michael
TITLE OF INVENTION: METHOD AND REAGENT FOR
TITLE OF INVENTION: PREVENTION, INHIBITION OF
TITLE OF INVENTION: PROGRESSION AND REGRESSION
TITLE OF INVENTION: OF VASCULAR DISEASES

NUMBER OF SEQUENCES: 1243
CORRESPONDENCE ADDRESS:
ADDRESSEE: Lyon & Lyon
STREET: 633 West Fifth Street
STREET: Suite 4700
CITY: Los Angeles
STATE: California
COUNTRY: U.S.A.
ZIP: 90071
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: storage
COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: Word Perfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/363,240A
FILING DATE: December 23, 1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Warburg, Richard
REGISTRATION NUMBER: 32,327
REFERENCE/DOCKET NUMBER: 210/096
TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 489-1600
TELEFAX: (213) 955-0440
TELEX: 67-3510
INFORMATION FOR SEQ ID NO: 72:
SEQUENCE CHARACTERISTICS:
LENGTH: 15 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-363-240A-72

Query Match 8.8%; Score 11.4; DB 1; Length 15;
Best Local Similarity 76.9%; Pred. No. 23;
Matches 10; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 1455 GGTGATCAAGCA 1467
||:|||||
Db 1 GGUGGAUCAAGCA 13

RESULT 24
US-08-363-240A-246
; Sequence 246, Application US/08363240A
; Patent No. 5705388
; GENERAL INFORMATION:
; APPLICANT: Couture, Larry
; APPLICANT: McSwiggen, James
; APPLICANT: Bisgaler, Charles
; APPLICANT: Pape, Michael
; TITLE OF INVENTION: METHOD AND REAGENT FOR
; TITLE OF INVENTION: PREVENTION, INHIBITION OF
; TITLE OF INVENTION: PROGRESSION AND REGRESSION
; TITLE OF INVENTION: OF VASCULAR DISEASES
; NUMBER OF SEQUENCES: 1243
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: 633 West Fifth Street
; STREET: Suite 4700
; CITY: Los Angeles
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 90071
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
; MEDIUM TYPE: storage
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: IBM P.C. DOS 5.0

SOFTWARE: Word Perfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/363,240A
FILING DATE: December 23, 1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Warburg, Richard
REGISTRATION NUMBER: 32,327
REFERENCE/DOCKET NUMBER: 210/096
TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 489-1600
TELEFAX: (213) 955-0440
TELEX: 67-3510
INFORMATION FOR SEQ ID NO: 246:
SEQUENCE CHARACTERISTICS:
LENGTH: 15 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-363-240A-246

Query Match 8.8%; Score 11.4; DB 1; Length 15;
Best Local Similarity 61.5%; Pred. No. 23;
Matches 8; Conservative 4; Mismatches 1; Indels 0; Gaps 0;

QY 1446 TGAAGATGGGTT 1458
:|||||:||||:
Db 1 UGGAAGUUGGUU 13

RESULT 25
US-08-744-829-1
; Sequence 1, Application US/08744829
; Patent No. 5834258
; GENERAL INFORMATION:
; APPLICANT: GRIFANTINI, RENATA
; APPLICANT: GALLI, GIULIANO
; APPLICANT: CARPANI, GIOVANNA
; APPLICANT: GRANDI, GUIDO
; TITLE OF INVENTION: IMPROVED PROCESS FOR THE PREPARATION OF
; TITLE OF INVENTION: D-ALPHA-AMINO ACIDS
; NUMBER OF SEQUENCES: 5
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT,
; ADDRESSEE: P.C.
; STREET: 1755 S. JEFF. DAVIS HIGHWAY, FOURTH FLOOR
; CITY: ARLINGTON
; STATE: VA
; COUNTRY: USA
; ZIP: 22202
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/744,829
; FILING DATE: 06-NOV-1996
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: IT 002432 95/A
; FILING DATE: 23-NOV-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: OBLON, NORMAN F.
; REGISTRATION NUMBER: 24,618
; REFERENCE/DOCKET NUMBER: 2264-142-0
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 703-413-3000
; TELEFAX: 703-413-2220
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:

```
;
; LENGTH: 15 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: other nucleic acid
; US-08-744-829-1
;
; Query Match
; Best Local Similarity 8.8%; Score 11.4; DB 1; Length 15;
; Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
;
QY 1395 AAGGAGGTAAT 1407
Db 1 AAGGAGGAAAT 13
;
; RESULT 26
; US-08-364-246-1
; Sequence 1, Application US/08364246
; Patent No. 5872104
; GENERAL INFORMATION:
; APPLICANT: Vermeulen, Nicolaas M. J.
; APPLICANT: Schwartz, Dennis
; TITLE OF INVENTION: Combinations and Methods For Reducing
; TITLE OF INVENTION: Antimicrobial Resistance
; NUMBER OF SEQUENCES: 8
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Arnold, White & Durkee
; STREET: P.O. Box 4433
; CITY: Houston
; STATE: Texas
; COUNTRY: United States of America
; ZIP: 77210
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS/ASCII
; SOFTWARE: Patent in Release #1.0, Version #1.25
; CURRENT APPLICATION NUMBER: US/08/364,246
; FILING DATE: Concurrently Herewith
; CLASSIFICATION: 514
; ATTORNEY/AGENT INFORMATION:
; NAME: Parker, David L.
; REGISTRATION NUMBER: 32,165
; REFERENCE/DOCKET NUMBER: ORIN:003/PAR
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (512) 418-3000
; TELEFAX: (713) 789-2679
; TELEX: 79-0924
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 15 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; US-08-364-246-1
;
; Query Match
; Best Local Similarity 8.8%; Score 11.4; DB 1; Length 15;
; Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
;
QY 1350 GGAAGAAAAATAT 1362
Db 2 GGAGGAAAAATAT 14
;
; RESULT 27
; US-08-913-833-75
; Sequence 75, Application US/08913833
; Patent No. 6087093
; GENERAL INFORMATION:
; APPLICANT: STUYVER, LIEVEN
; APPLICANT: Louwagie, Joost
; TITLE OF INVENTION: METHOD FOR DETECTION OF DRUG-INDUCED MUTATIONS IN THE REVERSE
; TITLE OF INVENTION: TRANSCRIPTASE GENE
; FILE REFERENCE: INNS008--2
; CURRENT APPLICATION NUMBER: US/09/580,794C
; CURRENT FILING DATE: 2000-05-30
; PRIOR APPLICATION NUMBER: 08/913,833 now US/6,087,093
; PRIOR FILING DATE: 1997-09-15
; PRIOR APPLICATION NUMBER: PCT/EP 97/00211
; PRIOR FILING DATE: 1997-01-17
; PRIOR APPLICATION NUMBER: EP 96870005.4
; PRIOR FILING DATE: 1996-01-26
; PRIOR APPLICATION NUMBER: EP 96870081.5
;
; APPLICANT: LOUWAGIE, JOOST
; APPLICANT: ROSSAU, RUDI
; TITLE OF INVENTION: METHOD FOR DETECTION OF DRUG-INDUCED
; TITLE OF INVENTION: MUTATIONS IN THE REVERSE TRANSCRIPTASE GENE
; NUMBER OF SEQUENCES: 164
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: ARNOLD, WHITE & DURKEE
; STREET: P.O. BOX 4433
; CITY: HOUSTON
; STATE: TEXAS
; COUNTRY: USA
; ZIP: 77210-4433
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Microsoft Word 6.0 / ASCII text output
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/913,833
; FILING DATE: 15 Sep 1997
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: PCT/EP97/00211
; FILING DATE: 17 Jan 1997
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: EP 96870005.4
; FILING DATE: 26 Jan 1996
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: EP 96870081.5
; FILING DATE: 25 Jun 1996
; ATTORNEY/AGENT INFORMATION:
; NAME: KAMMERER, PATRICIA A.
; REGISTRATION NUMBER: 29,775
; REFERENCE/DOCKET NUMBER: INNS:008
; INFORMATION FOR SEQ ID NO: 75:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 15 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; US-08-913-833-75
;
; Query Match
; Best Local Similarity 8.8%; Score 11.4; DB 1; Length 15;
; Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
;
QY 1441 ATACATGGAAGAT 1453
Db 3 ATACATGGACGAT 15
;
; RESULT 28
; US-09-580-794C-75
; Sequence 75, Application US/09580794C
; Patent No. 6331389
; GENERAL INFORMATION:
; APPLICANT: Stuyver, Lieven
; APPLICANT: Louwagie, Joost
; APPLICANT: Rossau, Rudi
; TITLE OF INVENTION: METHOD FOR DETECTION OF DRUG-INDUCED MUTATIONS IN THE REVERSE
; TITLE OF INVENTION: TRANSCRIPTASE GENE
; FILE REFERENCE: INNS008--2
; CURRENT APPLICATION NUMBER: US/09/580,794C
; CURRENT FILING DATE: 2000-05-30
; PRIOR APPLICATION NUMBER: 08/913,833 now US/6,087,093
; PRIOR FILING DATE: 1997-09-15
; PRIOR APPLICATION NUMBER: PCT/EP 97/00211
; PRIOR FILING DATE: 1997-01-17
; PRIOR APPLICATION NUMBER: EP 96870005.4
; PRIOR FILING DATE: 1996-01-26
; PRIOR APPLICATION NUMBER: EP 96870081.5
```

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; PRIOR FILING DATE: 1996-06-25
; NUMBER OF SEQ ID NOS: 164
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 75
; LENGTH: 15
; TYPE: DNA
; ORGANISM: Artificial sequence
; FEATURE:
; OTHER INFORMATION: Synthetic Primer
US-09-580-794C-75

Query Match      8.8%; Score 11.4; DB 1; Length 15;
Best Local Similarity 92.3%; Pred. No. 23;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      1441 ATACATGGAAGAT 1453
Db      3 ATACATGGACGAT 15

RESULT 29
US-09-081-646-197
; Sequence 197, Application US/09081646
; Patent No. 6333152
; GENERAL INFORMATION:
; APPLICANT: Kinzler, Kenneth
; APPLICANT: Vogelstein, Bert
; APPLICANT: Zhang, Lin
; APPLICANT: Zhou, Wei
; TITLE OF INVENTION: Gene Expression Profiles in No. 6333152mal and
; TITLE OF INVENTION: Cancer Cells
; FILE REFERENCE: 01107.74664
; CURRENT APPLICATION NUMBER: US/09/081,646
; CURRENT FILING DATE: 1998-05-20
; EARLIER APPLICATION NUMBER: 60/047,352
; EARLIER FILING DATE: 1997-05-21
; NUMBER OF SEQ ID NOS: 871
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 197
; LENGTH: 15
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-081-646-197

Query Match      8.8%; Score 11.4; DB 1; Length 15;
Best Local Similarity 92.3%; Pred. No. 23;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      1444 CATGGAAGATGGG 1456
Db      1 CATGGAAGATGTG 13

RESULT 30
US-09-081-646-210/c
; Sequence 210, Application US/09081646
; Patent No. 6333152
; GENERAL INFORMATION:
; APPLICANT: Kinzler, Kenneth
; APPLICANT: Vogelstein, Bert
; APPLICANT: Zhang, Lin
; APPLICANT: Zhou, Wei
; TITLE OF INVENTION: Gene Expression Profiles in No. 6333152mal and
; TITLE OF INVENTION: Cancer Cells
; FILE REFERENCE: 01107.74664
; CURRENT APPLICATION NUMBER: US/09/081,646
; CURRENT FILING DATE: 1998-05-20
; EARLIER APPLICATION NUMBER: 60/047,352
; EARLIER FILING DATE: 1997-05-21
; NUMBER OF SEQ ID NOS: 871
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 210
; LENGTH: 15

; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-081-646-210

Query Match      8.8%; Score 11.4; DB 1; Length 15;
Best Local Similarity 92.3%; Pred. No. 23;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      1395 AAGGAGGTAAAT 1407
Db      14 AAGGAGGTAAAT 2

RESULT 31
US-09-081-646-860/c
; Sequence 860, Application US/09081646
; Patent No. 6333152
; GENERAL INFORMATION:
; APPLICANT: Kinzler, Kenneth
; APPLICANT: Vogelstein, Bert
; APPLICANT: Zhang, Lin
; APPLICANT: Zhou, Wei
; TITLE OF INVENTION: Gene Expression Profiles in No. 6333152mal and
; TITLE OF INVENTION: Cancer Cells
; FILE REFERENCE: 01107.74664
; CURRENT APPLICATION NUMBER: US/09/081,646
; CURRENT FILING DATE: 1998-05-20
; EARLIER APPLICATION NUMBER: 60/047,352
; EARLIER FILING DATE: 1997-05-21
; NUMBER OF SEQ ID NOS: 871
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 860
; LENGTH: 15
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-081-646-860

Query Match      8.8%; Score 11.4; DB 1; Length 15;
Best Local Similarity 92.3%; Pred. No. 23;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      1395 AAGGAGGTAAAT 1407
Db      14 AAGGAGGTAAAT 2

RESULT 32
US-08-913-833-76
; Sequence 76, Application US/08913833
; Patent No. 6087093
; GENERAL INFORMATION:
; APPLICANT: STUYVER, LIEVEN
; APPLICANT: LOUWAGIE, JOOST
; APPLICANT: ROSSAU, RUDI
; TITLE OF INVENTION: METHOD FOR DETECTION OF DRUG-INDUCED
; TITLE OF INVENTION: MUTATIONS IN THE REVERSE TRANSCRIPTASE GENE
; NUMBER OF SEQUENCES: 164
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: ARNOLD, WHITE & DURKEE
; STREET: P.O. BOX 4433
; CITY: HOUSTON
; STATE: TEXAS
; COUNTRY: USA
; ZIP: 77210-4433
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Microsoft Word 6.0 / ASCII text output
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/913,833
; FILING DATE: 15 Sep 1997
; PRIOR APPLICATION DATA:
```


APPLICATION NUMBER: PCT/EP97/00211
FILING DATE: 17 Jan 1997
PRIOR APPLICATION DATA:
APPLICATION NUMBER: EP 96870005.4
FILING DATE: 26 Jan 1996
PRIOR APPLICATION DATA:
APPLICATION NUMBER: EP 96870081.5
FILING DATE: 25 Jun 1996
ATTORNEY/AGENT INFORMATION:
NAME: KAMMERER, PATRICIA A.
REGISTRATION NUMBER: 29,775
REFERENCE/DOCKET NUMBER: INNS:008
INFORMATION FOR SEQ ID NO: 76:
SEQUENCE CHARACTERISTICS:
LENGTH: 16 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
HYPOTHETICAL: NO
ANTI-SENSE: NO
US-08-913-833-76

Query Match 8.8%; Score 11.4; DB 1; Length 16;
Best Local Similarity 92.3%; Pred. No. 25;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1441 ATACATGGAAGAT 1453
Db 4 ATACATGGACGAT 16
|||||

RESULT 33

US-09-580-794C-76
Sequence 76, Application US/09580794C
Patent No. 6331389
GENERAL INFORMATION:
APPLICANT: Stuyver, Lieven
APPLICANT: Louwagie, Joost
APPLICANT: Rossau, Rudi
TITLE OF INVENTION: METHOD FOR DETECTION OF DRUG-INDUCED MUTATIONS IN THE REVERSE
TITLE OF INVENTION: TRANSCRIPTASE GENE
FILE REFERENCE: INNS008-2
CURRENT APPLICATION NUMBER: US/09/580,794C
CURRENT FILING DATE: 2000-05-30
PRIOR APPLICATION NUMBER: 08/913,833 now US/6,087,093
PRIOR FILING DATE: 1997-09-15
PRIOR APPLICATION NUMBER: PCT/EP 97/00211
PRIOR FILING DATE: 1997-01-17
PRIOR APPLICATION NUMBER: EP 96870005.4
PRIOR FILING DATE: 1996-01-26
PRIOR APPLICATION NUMBER: EP 96870081.5
PRIOR FILING DATE: 1996-06-25
NUMBER OF SEQ ID NOS: 164
SOFTWARE: Patentin version 3.0
SEQ ID NO 76
LENGTH: 16
TYPE: DNA
ORGANISM: Artificial sequence
FEATURE:
OTHER INFORMATION: Synthetic Primer
US-09-580-794C-76

Query Match 8.8%; Score 11.4; DB 1; Length 16;
Best Local Similarity 92.3%; Pred. No. 25;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1441 ATACATGGAAGAT 1453
Db 4 ATACATGGACGAT 16
|||||

RESULT 34

US-07-704-288C-26
Sequence 26, Application US/07704288C
Patent No. 5399680
GENERAL INFORMATION:
APPLICANT: LAMB, CHRISTOPHER J.
APPLICANT: ZHU, QUN
TITLE OF INVENTION: PLANT DEFENSE GENES AND PLANT DEFENSE REGULATORY
ELEMENTS
NUMBER OF SEQUENCES: 26
CORRESPONDENCE ADDRESS:
ADDRESSEE: PRETTY, SCHROEDER, BRUEGGEMANN & CLARK
STREET: 444 South Flower Street, Suite 2000
CITY: Los Angeles
STATE: California
COUNTRY: United States
ZIP: 90071-2921
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/704,288C
FILING DATE: 22-MAY-1991
CLASSIFICATION: 800
ATTORNEY/AGENT INFORMATION:
NAME: Reiter, Stephen E.
REGISTRATION NUMBER: 31,192
REFERENCE/DOCKET NUMBER: P31 8899
TELECOMMUNICATION INFORMATION:
TELEPHONE: (619) 546-4737
TELEFAX: (619) 546-9392
TELEX:
INFORMATION FOR SEQ ID NO: 26:
SEQUENCE CHARACTERISTICS:
LENGTH: 16 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
HYPOTHETICAL: NO
ANTI-SENSE: NO
US-07-704-288C-26

Query Match 8.6%; Score 11.2; DB 1; Length 16;
Best Local Similarity 81.2%; Pred. No. 28;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1431 ATGCAGACATATACAT 1446
Db 1 ATGCATGCATATGCAT 16
|||||

RESULT 35

US-08-379-259-26
Sequence 26, Application US/08379259
Patent No. 5695939
GENERAL INFORMATION:
APPLICANT: LAMB, CHRISTOPHER J.
APPLICANT: ZHU, QUN
TITLE OF INVENTION: PLANT DEFENSE GENES AND PLANT
DEFENSE REGULATORY
ELEMENTS
NUMBER OF SEQUENCES: 26
CORRESPONDENCE ADDRESS:
ADDRESSEE: PRETTY, SCHROEDER, BRUEGGEMANN & CLARK
STREET: 444 South Flower Street, Suite 2000
CITY: Los Angeles
STATE: California
COUNTRY: United States
ZIP: 90071-2921
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk

```
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/379,259
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/704,288
; FILING DATE: 22-MAY-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Reiter, Stephen E.
; REGISTRATION NUMBER: 31,192
; REFERENCE/DOCKET NUMBER: P31 8899
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (619) 546-4737
; TELEFAX: (619) 546-9392
; TELEX:
; INFORMATION FOR SEQ ID NO: 26:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 16 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; HYPOTHEetical: NO
; ANTI-SENSE: NO
US-08-379-259-26
```

```
Query Match 8.6%; Score 11.2; DB 1; Length 16;
Best Local Similarity 81.2%; Pred. No. 28;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
```

```
Qy 1431 ATGCAGACATATACAT 1446
Db 1 ATGCATGCATATATGCAT 16
```

RESULT 36

```
US-09-479-005A-61
; Sequence 61, Application US/09479005A
; Patent No. 6656731
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; TITLE OF INVENTION: Nucleic Acid Catalysts with Endonuclease Activity
; FILE REFERENCE: MBH00-884-C
; CURRENT APPLICATION NUMBER: US/09/479,005A
; CURRENT FILING DATE: 2000-01-07
; PRIOR APPLICATION NUMBER: US 09/444,209
; PRIOR FILING DATE: 1999-11-19
; PRIOR APPLICATION NUMBER: US 09/159,274
; PRIOR FILING DATE: 1998-09-22
; PRIOR APPLICATION NUMBER: US 60/059,473
; PRIOR FILING DATE: 1997-09-22
; NUMBER OF SEQ ID NOS: 1208
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 61
; LENGTH: 16
; TYPE: RNA
; ORGANISM: Homo sapiens
US-09-479-005A-61
```

```
Query Match 8.6%; Score 11.2; DB 1; Length 16;
Best Local Similarity 75.0%; Pred. No. 28;
Matches 12; Conservative 1; Mismatches 3; Indels 0; Gaps 0;
```

```
Qy 1390 GATCAAGAGGAGGTAAA 1405
Db 1 GAGCAAGAAGUGGUA 16
```

RESULT 37

```
US-08-173-489C-296/c
```

```
; Sequence 296, Application US/08173489C
; Patent No. 5861244
; GENERAL INFORMATION:
; APPLICANT: WANG, C. -G.
; APPLICANT: HEPBURN, A. G.
; TITLE OF INVENTION: GENETIC SEQUENCE ASSAY USING DNA
; TITLE OF INVENTION: TRIPLE-STRAND FORMATION.
; NUMBER OF SEQUENCES: 365
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: PROFILE DIAGNOSTIC SCIENCES, INC.,
; STREET: 510 EAST 73RD STREET,
; CITY: NEW YORK
; STATE: NEW YORK
; COUNTRY: USA
; ZIP: 10021.
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5 inch, 1.44Mb storage
; COMPUTER: IBM PC/XT/AT
; OPERATING SYSTEM: MS-DOS version 6.2
; SOFTWARE: Wordperfect Version 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/173,489C
; FILING DATE: 22 DEC 1993
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/969,436
; FILING DATE: 29 OCT 1992
; ATTORNEY/AGENT INFORMATION:
; NAME: Handelman, Joseph H.
; REGISTRATION NUMBER: 26,179
; REFERENCE/DOCKET NUMBER: U9518-6
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (attorney) (212) 708-1880
; TELEFAX: (attorney) (212) 246-8959
; INFORMATION FOR SEQ ID NO: 296:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 11 bases
; TYPE: nucleic acid
; STRANDEDNESS: single stranded
; TOPOLOGY: linear
; MOLECULE TYPE: other nucleic acid
; DESCRIPTION: third strand derived from C. psittaci
; DESCRIPTION: 16s region in Seq ID No. 5861244295
; HYPOTHETICAL: yes
; ANTI-SENSE: no
; PUBLICATION INFORMATION:
; RELEVANT RESIDUES IN SEQ ID NO: 296 :FROM 1 TO 11
US-08-173-489C-296
```

```
Query Match 8.5%; Score 11; DB 1; Length 11;
Best Local Similarity 100.0%; Pred. No. 20;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
Qy 1347 AGGGGAAGAGAA 1357
Db 11 AGGGGAAGAGAA 1
```

RESULT 38

```
US-09-375-673B-6
; Sequence 6, Application US/09375673B
; Patent No. 6605431
; GENERAL INFORMATION:
; APPLICANT: GOURSE, RICHARD L.
; APPLICANT: ESTREM, SHAWN T.
; APPLICANT: ROSS, WILMA E.
; APPLICANT: GAAL, TAMAS
; TITLE OF INVENTION: PROMOTER ELEMENTS AND METHODS OF USE
; FILE REFERENCE: 11900130101
; CURRENT APPLICATION NUMBER: US/09/375,673B
; CURRENT FILING DATE: 1999-08-17
; NUMBER OF SEQ ID NOS: 89
; SOFTWARE: PatentIn Ver. 2.1
```

; SEQ ID NO 6
; LENGTH: 14
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Distal
; OTHER INFORMATION: accessory promoter element
US-09-375-673B-6

Query Match 8.5%; Score 11; DB 1; Length 14;
Best Local Similarity 100.0%; Pred. No. 26;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1353 AGAAAAATATT 1363
Db 1 AGAAAAATATT 11

RESULT 39
US-08-706-945D-86/c
; Sequence 86, Application US/08706945D
; Patent No. 6369027
; GENERAL INFORMATION:
; APPLICANT: Boyle, William
; APPLICANT: Lacey, David
; APPLICANT: Calzone, Frank
; APPLICANT: Chang, Ming-Shi
; TITLE OF INVENTION: Osteoprotegerin
; FILE REFERENCE: A-378CIP
; CURRENT APPLICATION NUMBER: US/08/706,945D
; CURRENT FILING DATE: 1996-09-03
; PRIOR APPLICATION NUMBER: 08/577,788
; PRIOR FILING DATE: 1995-12-22
; NUMBER OF SEQ ID NOS: 145
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 86
; LENGTH: 14
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic Oligonucleotide
US-08-706-945D-86

Query Match 8.3%; Score 10.8; DB 1; Length 14;
Best Local Similarity 85.7%; Pred. No. 29;
Matches 12; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1408 TGTTAATGATGACC 1421
Db 14 TGTTAATGAGGATC 1

RESULT 40
US-09-375-673B-27/c
; Sequence 27, Application US/09375673B
; Patent No. 6605431
; GENERAL INFORMATION:
; APPLICANT: GOURSE, RICHARD L.
; APPLICANT: ESTREM, SHAWN T.
; APPLICANT: ROSS, WILMA E.
; APPLICANT: GAAL, TAMAS
; TITLE OF INVENTION: PROMOTER ELEMENTS AND METHODS OF USE
; FILE REFERENCE: 11900130101
; CURRENT APPLICATION NUMBER: US/09/375,673B
; CURRENT FILING DATE: 1999-08-17
; NUMBER OF SEQ ID NOS: 89
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 27
; LENGTH: 14
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Distal

; OTHER INFORMATION: accessory promoter element
US-09-375-673B-27

Query Match 8.3%; Score 10.8; DB 1; Length 14;
Best Local Similarity 85.7%; Pred. No. 29;
Matches 12; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1352 AAGAAAAATATTC 1365
Db 14 AAAAAAATTTTC 1

RESULT 41
US-08-319-492B-104
; Sequence 104, Application US/08319492B
; Patent No. 5616488
; GENERAL INFORMATION:
; APPLICANT: Sullivan, Sean M.
; APPLICANT: Draper, Kenneth G.
; APPLICANT: McSwiggen, James
; APPLICANT: Stinchcomb, Dan T.
; TITLE OF INVENTION: RIBOZYME TREATMENT OF DISEASES
; TITLE OF INVENTION: OR CONDITIONS RELATED TO LEVELS
; NUMBER OF SEQUENCES: 751
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: 633 West Fifth Street
; CITY: Los Angeles
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 90071
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
; MEDIUM TYPE: storage
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: IBM P.C. DOS 5.0
; SOFTWARE: Word Perfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/319,492B
; FILING DATE: October 7, 1994
; PRIOR APPLICATION DATA:
; PRIOR APPLICATION DATA: including application
; PRIOR APPLICATION DATA: described below:
; APPLICATION NUMBER: 08/008,895
; FILING DATE: January 19, 1993
; APPLICATION NUMBER: 07/989,849
; FILING DATE: December 7, 1992
; ATTORNEY/AGENT INFORMATION:
; NAME: Warburg, Richard
; REGISTRATION NUMBER: 32,327
; REFERENCE/DOCKET NUMBER: 209/276
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (213) 489-1600
; TELEFAX: (213) 955-0440
; TELEX: 67-3510
; INFORMATION FOR SEQ ID NO: 104:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 15 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
US-08-319-492B-104

Query Match 8.3%; Score 10.8; DB 1; Length 15;
Best Local Similarity 64.3%; Pred. No. 31;
Matches 9; Conservative 3; Mismatches 2; Indels 0; Gaps 0;

QY 1357 AAATATTCACGCA 1370
Db 2 AAUAUUCAGGCA 15

```
RESULT 42
US-08-319-492B-106
; Sequence 106, Application US/08319492B
; Patent No. 5616488
; GENERAL INFORMATION:
; APPLICANT: Sullivan, Sean M.
; APPLICANT: Draper, Kenneth G.
; APPLICANT: McSwiggen, James
; APPLICANT: Stinchcomb, Dan T.
; TITLE OF INVENTION: RIBOZYME TREATMENT OF DISEASES
; TITLE OF INVENTION: OR CONDITIONS RELATED TO LEVELS
; TITLE OF INVENTION: OF IL-5
; NUMBER OF SEQUENCES: 751
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: 633 West Fifth Street
; STREET: Suite 4700
; CITY: Los Angeles
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 90071
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
; MEDIUM TYPE: storage
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: IBM P.C. DOS 5.0
; SOFTWARE: Word Perfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/319,492B
; FILING DATE: October 7, 1994
; PRIOR APPLICATION DATA: including application
; PRIOR APPLICATION DATA: described below:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/008,895
; FILING DATE: January 19, 1993
; APPLICATION NUMBER: 07/989,849
; FILING DATE: December 7, 1992
; ATTORNEY/AGENT INFORMATION:
; NAME: Warburg, Richard
; REGISTRATION NUMBER: 32,327
; REFERENCE/DOCKET NUMBER: 209/276
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (213) 489-1600
; TELEFAX: (213) 955-0440
; TELEX: 67-3510
; INFORMATION FOR SEQ ID NO: 106:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 15 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; US-08-319-492B-106

Query Match      8.3%; Score 10.8; DB 1; Length 15;
Best Local Similarity 57.1%; Pred. No. 31;
Matches 8; Conservative 4; Mismatches 2; Indels 0; Gaps 0;

Qy      1358 AATATTCCACGCAT 1371
Db      1 AAUAUUCACGGCAU 14

RESULT 43
US-08-319-492B-423/c
; Sequence 423, Application US/08319492B
; Patent No. 5616488
; GENERAL INFORMATION:
; APPLICANT: Sullivan, Sean M.
; APPLICANT: Draper, Kenneth G.
; APPLICANT: McSwiggen, James
; APPLICANT: Stinchcomb, Dan T.
; TITLE OF INVENTION: RIBOZYME TREATMENT OF DISEASES
```

```
; TITLE OF INVENTION: OR CONDITIONS RELATED TO LEVELS
; TITLE OF INVENTION: OF IL-5
; NUMBER OF SEQUENCES: 751
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: 633 West Fifth Street
; STREET: Suite 4700
; CITY: Los Angeles
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 90071
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
; MEDIUM TYPE: storage
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: IBM P.C. DOS 5.0
; SOFTWARE: Word Perfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/319,492B
; FILING DATE: October 7, 1994
; PRIOR APPLICATION DATA: including application
; PRIOR APPLICATION DATA: described below:
; APPLICATION NUMBER: 08/008,895
; FILING DATE: January 19, 1993
; APPLICATION NUMBER: 07/989,849
; FILING DATE: December 7, 1992
; ATTORNEY/AGENT INFORMATION:
; NAME: Warburg, Richard
; REGISTRATION NUMBER: 32,327
; REFERENCE/DOCKET NUMBER: 209/276
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (213) 489-1600
; TELEFAX: (213) 955-0440
; TELEX: 67-3510
; INFORMATION FOR SEQ ID NO: 423:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 15 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; US-08-319-492B-423

Query Match      8.3%; Score 10.8; DB 1; Length 15;
Best Local Similarity 85.7%; Pred. No. 31;
Matches 12; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy      1437 ACATATACATGGAA 1450
Db      15 AAATATAAATGGAA 2

RESULT 44
US-08-452-724A-30
; Sequence 30, Application US/08452724A
; Patent No. 5830650
; GENERAL INFORMATION:
; APPLICANT: Crea, Roberto
; TITLE OF INVENTION: Walk-Through Mutagenesis
; NUMBER OF SEQUENCES: 59
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Hamilton, Brook, Smith & Reynolds, P.C.
; STREET: 2 Militia Drive
; CITY: Lexington
; STATE: MA
; COUNTRY: USA
; ZIP: 02173
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
```


APPLICATION NUMBER: US/08/452,724A
FILING DATE: 30-MAY-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/930,600
FILING DATE: 05-APR-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/US91/02362
FILING DATE: 05-APR-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/505,314
FILING DATE: 05-APR-1990
ATTORNEY/AGENT INFORMATION:
NAME: Brook Esq., David E.
REGISTRATION NUMBER: 22,592
REFERENCE/DOCKET NUMBER: RC90-01AZ
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 861-6240
TELEFAX: (617) 861-9540
INFORMATION FOR SEQ ID NO: 30:
SEQUENCE CHARACTERISTICS:
LENGTH: 15 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: unknown
US-08-452-724A-30

Query Match 8.3%; Score 10.8; DB 1; Length 15;
Best Local Similarity 85.7%; Pred. No. 31;
Matches 12; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1436 GACATATACATGGA 1449
||| |||||
Db 1 GACTTCTACATGGA 14

RESULT 45
US-08-292-620A-388
Sequence 388, Application US/08292620A
Patent No. 5837542
GENERAL INFORMATION:
APPLICANT: Susan Grimm
APPLICANT: Dan T. Stinchcomb
APPLICANT: James McSwiggen
APPLICANT: Sean Sullivan
APPLICANT: Kenneth G. Draper
TITLE OF INVENTION: RIBOZYME TREATMENT OF
TITLE OF INVENTION: DISEASES OR CONDITIONS
TITLE OF INVENTION: RELATED TO LEVELS OF
TITLE OF INVENTION: INTRACELLULAR ADHESION
TITLE OF INVENTION: MOLECULE-1 (I-CAM-1)
NUMBER OF SEQUENCES: 2390
CORRESPONDENCE ADDRESS:
ADDRESSEE: Lyon & Lyon
STREET: 633 West Fifth Street
STREET: Suite 4700
CITY: Los Angeles
STATE: California
COUNTRY: U.S.A.
ZIP: 90071-2066
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: storage
COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: Word Perfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/292,620A
FILING DATE: August 17, 1994
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
PRIOR APPLICATION DATA: including application
PRIOR APPLICATION DATA: described below:
APPLICATION NUMBER: 08/008,895
FILING DATE: January 19, 1993
APPLICATION NUMBER: 07/989,849
FILING DATE: December 7, 1992
ATTORNEY/AGENT INFORMATION:
NAME: Warburg, Richard J.
REGISTRATION NUMBER: 32,327

two

APPLICATION NUMBER: 08/008,895
FILING DATE: January 19, 1993
APPLICATION NUMBER: 07/989,849
FILING DATE: December 7, 1992
ATTORNEY/AGENT INFORMATION:
NAME: Warburg, Richard J.
REGISTRATION NUMBER: 32,327
REFERENCE/DOCKET NUMBER: 208/149
TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 489-1600
TELEFAX: (213) 955-0440
TELEX: 67-3510
INFORMATION FOR SEQ ID NO: 388:
SEQUENCE CHARACTERISTICS:
LENGTH: 15 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-292-620A-388

Query Match 8.3%; Score 10.8; DB 1; Length 15;
Best Local Similarity 50.0%; Pred. No. 31;
Matches 7; Conservative 5; Mismatches 2; Indels 0; Gaps 0;

Qy 1421 CAGTCGTTCTATGC 1434
||| :||:
Db 1 CAGUGGUUCUCGC 14

RESULT 46
US-08-292-620A-699
Sequence 699, Application US/08292620A
Patent No. 5837542
GENERAL INFORMATION:
APPLICANT: Susan Grimm
APPLICANT: Dan T. Stinchcomb
APPLICANT: James McSwiggen
APPLICANT: Sean Sullivan
APPLICANT: Kenneth G. Draper
TITLE OF INVENTION: RIBOZYME TREATMENT OF
TITLE OF INVENTION: DISEASES OR CONDITIONS
TITLE OF INVENTION: RELATED TO LEVELS OF
TITLE OF INVENTION: INTRACELLULAR ADHESION
TITLE OF INVENTION: MOLECULE-1 (I-CAM-1)
NUMBER OF SEQUENCES: 2390
CORRESPONDENCE ADDRESS:
ADDRESSEE: Lyon & Lyon
STREET: 633 West Fifth Street
STREET: Suite 4700
CITY: Los Angeles
STATE: California
COUNTRY: U.S.A.
ZIP: 90071-2066
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: storage
COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: Word Perfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/292,620A
FILING DATE: August 17, 1994
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
PRIOR APPLICATION DATA: including application
PRIOR APPLICATION DATA: described below:
APPLICATION NUMBER: 08/008,895
FILING DATE: January 19, 1993
APPLICATION NUMBER: 07/989,849
FILING DATE: December 7, 1992
ATTORNEY/AGENT INFORMATION:
NAME: Warburg, Richard J.
REGISTRATION NUMBER: 32,327

two

REFERENCE/DOCKET NUMBER: 208/149
TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 489-1600
TELEFAX: (213) 955-0440
TELEX: 67-3510
INFORMATION FOR SEQ ID NO: 699:
SEQUENCE CHARACTERISTICS:
LENGTH: 15 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-292-620A-699

Query Match 8.3%; Score 10.8; DB 1; Length 15;
Best Local Similarity 50.0%; Pred. No. 31;
Matches 7; Conservative 5; Mismatches 2; Indels 0; Gaps 0;

QY 1421 CAGTCGTTCTATGC 1434
|||:|:|:|:
Db 1 CAGUGGUUCUCUGC 14

RESULT 47
US-09-071-845-388
; Sequence 388, Application US/09071845
; Patent No. 6132967
; GENERAL INFORMATION:
; APPLICANT: Susan Grimm
; APPLICANT: Dan T. Stinchcomb
; APPLICANT: James McSwiggen
; APPLICANT: Sean Sullivan
; APPLICANT: Kenneth G. Draper
; TITLE OF INVENTION: RIBOZYME TREATMENT OF
; TITLE OF INVENTION: DISEASES OR CONDITIONS
; TITLE OF INVENTION: RELATED TO LEVELS OF
; TITLE OF INVENTION: INTRACELLULAR ADHESION
; TITLE OF INVENTION: MOLECULE-1 (I-CAM-1)
; NUMBER OF SEQUENCES: 2390
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: 633 West Fifth Street
; STREET: Suite 4700
; CITY: Los Angeles
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 90071-2066
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
; MEDIUM TYPE: storage
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: IBM P.C. DOS 5.0
; SOFTWARE: Word Perfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/071,845
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/292,620
; FILING DATE: August 17, 1994
; APPLICATION NUMBER: 08/008,895
; FILING DATE: January 19, 1993
; APPLICATION NUMBER: 07/989,849
; FILING DATE: December 7, 1992
; ATTORNEY/AGENT INFORMATION:
; NAME: Warburg, Richard J.
; REGISTRATION NUMBER: 32,327
; REFERENCE/DOCKET NUMBER: 208/149
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (213) 489-1600
; TELEFAX: (213) 955-0440
; TELEX: 67-3510
; INFORMATION FOR SEQ ID NO: 388:
; SEQUENCE CHARACTERISTICS:

LENGTH: 15 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-09-071-845-388
Query Match 8.3%; Score 10.8; DB 1; Length 15;
Best Local Similarity 50.0%; Pred. No. 31;
Matches 7; Conservative 5; Mismatches 2; Indels 0; Gaps 0;
QY 1421 CAGTCGTTCTATGC 1434
|||:|:|:|:
Db 1 CAGUGGUUCUCUGC 14

RESULT 48
US-09-071-845-699
; Sequence 699, Application US/09071845
; Patent No. 6132967
; GENERAL INFORMATION:
; APPLICANT: Susan Grimm
; APPLICANT: Dan T. Stinchcomb
; APPLICANT: James McSwiggen
; APPLICANT: Sean Sullivan
; APPLICANT: Kenneth G. Draper
; TITLE OF INVENTION: RIBOZYME TREATMENT OF
; TITLE OF INVENTION: DISEASES OR CONDITIONS
; TITLE OF INVENTION: RELATED TO LEVELS OF
; TITLE OF INVENTION: INTRACELLULAR ADHESION
; TITLE OF INVENTION: MOLECULE-1 (I-CAM-1)
; NUMBER OF SEQUENCES: 2390
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: 633 West Fifth Street
; STREET: Suite 4700
; CITY: Los Angeles
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 90071-2066
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
; MEDIUM TYPE: storage
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: IBM P.C. DOS 5.0
; SOFTWARE: Word Perfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/071,845
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/292,620
; FILING DATE: August 17, 1994
; APPLICATION NUMBER: 08/008,895
; FILING DATE: January 19, 1993
; APPLICATION NUMBER: 07/989,849
; FILING DATE: December 7, 1992
; ATTORNEY/AGENT INFORMATION:
; NAME: Warburg, Richard J.
; REGISTRATION NUMBER: 32,327
; REFERENCE/DOCKET NUMBER: 208/149
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (213) 489-1600
; TELEFAX: (213) 955-0440
; TELEX: 67-3510
; INFORMATION FOR SEQ ID NO: 699:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 15 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
US-09-071-845-699

Query Match

8.3%; Score 10.8; DB 1; Length 15;

Best Local Similarity	50.0%;	Pred. No. 31;	
Matches	7;	Conservative	5; Mismatches
			2; Indels
			0; Gaps
			0;

Qy 1421 CAGTCGTTCTATGC 1434
|||:|::|:
Db 1 CAGUGGUUCUCUGC 14

```

RESULT 49
US-09-081-646-657
; Sequence 657, Application US/09081646
; Patent No. 633152
; GENERAL INFORMATION:
; APPLICANT: Kinzler, Kenneth
; APPLICANT: Vogelstein, Bert
; APPLICANT: Zhang, Lin
; APPLICANT: Zhou, Wei
; TITLE OF INVENTION: Gene Expression Profiles in No. 6333152mal and
; FILE REFERENCE: 01107.74664
; CURRENT APPLICATION NUMBER: US/09/081,646
; CURRENT FILING DATE: 1998-05-20
; EARLIER APPLICATION NUMBER: 60/047,352
; EARLIER FILING DATE: 1997-05-21
; NUMBER OF SEQ ID NOS: 871
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 657
; LENGTH: 15
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-09-081-646-657

```

QY 1346 CAGGGGAAGAAAAA 1359
db 1 CATGGGAAAAAAA 14

RESULT 50
US-08-453-623-30
; Sequence 30, Application US/08453623
; Patent No. 6649340
; GENERAL INFORMATION:
; APPLICANT: Crea, Roberto
; TITLE OF INVENTION: Walk-Through Mutagenesis
; NUMBER OF SEQUENCES: 59
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Hamilton, Brook, Smith & Reynolds, P.C.
; STREET: 2 Militia Drive
; CITY: Lexington
; STATE: MA
; COUNTRY: USA
; ZIP: 02173
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/453,623
; FILING DATE: 30-May-1995
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/930,600
; FILING DATE: 05-APR-1991
; APPLICATION NUMBER: PCT/US91/02362
; FILING DATE: 05-APR-1991
; APPLICATION NUMBER: US 07/505,314
; FILING DATE: 05-APR-1990
; ATTORNEY/AGENT INFORMATION:
;

NAME: Brook, David E.
REGISTRATION NUMBER: 22,592
REFERENCE/DOCKET NUMBER: RC90-014Y
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 861-6240
TELEFAX: (617) 861-9540
INFORMATION FOR SEQ ID NO: 30:
SEQUENCE CHARACTERISTICS:
LENGTH: 15 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: unknown
SEQUENCE DESCRIPTION: SEQ ID NO: 30:
US-08-453-623-30

Query Match	8.3%;	Score 10.8;	DB 1;	Length 15;
Best Local Similarity	85.7%;	Pred. NO. 31;		
Matches 12:	Conservative	0;	Mismatches 2;	Indels 0;
	Gaps	0;		

Qy 1436 GACATATACATGGA 1449
||| ||| ||| |||
Db 1 GACTTCTACATGGA 14

RESULT 51
US-08-173-489C-190/c
; Sequence 190, Application US/08173489C
; Patent No. 5861244
; GENERAL INFORMATION:
; APPLICANT: WANG, C. -G.
; APPLICANT: HEPBURN, A. G.
; TITLE OF INVENTION: GENETIC SEQUENCE ASSAY USING DNA
; TITLE OF INVENTION: TRIPLE-STRAND FORMATION.
; NUMBER OF SEQUENCES: 365
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: PROFILE DIAGNOSTIC SCIENCES, INC.,
; STREET: 510 EAST 73RD STREET,
; CITY: NEW YORK
; STATE: NEW YORK
; COUNTRY: USA
; ZIP: 10021

DESCRIPTION:	third strand derived from Hepatitis B	isolate adw2	sequence region in Seq ID No.	5861244189
DESCRIPTION:				

US-08-173-489C-190

Query Match 8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 30;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1348 GGGGAAGAAAA 1359
|||||
Db 12 GGGCAGAAAA 1

RESULT 52

US-08-927-219-9
; Sequence 9, Application US/08927219
; Patent No. 6187533
; GENERAL INFORMATION:
; APPLICANT: Bell, Graeme I.
; APPLICANT: Yamagata, Kazuya
; APPLICANT: Oda, Naohisha
; APPLICANT: Kaisaki, Pamela J.
; APPLICANT: Furuta, Hiroto
; APPLICANT: Horikawa, Yukio
; APPLICANT: Menzel, Stephen
; TITLE OF INVENTION: MUTATIONS IN THE DIABETES SUSCEPTIBILITY
; TITLE OF INVENTION: GENES HEPATOCYTE NUCLEAR FACTOR (HNF) 1 ALPHA, HNF-1BETA
; NUMBER OF SEQUENCES: 147
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Arnold, White & Durkee
; STREET: P.O. Box 4433
; CITY: Houston
; STATE: Texas
; COUNTRY: USA
; ZIP: 77210

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
FILING DATE: Concurrently Herewith
CLASSIFICATION: 435
PRIOR APPLICATION NUMBER: US/08/927,219
FILING DATE: 30-OCT-1996
APPLICATION NUMBER: US 60/029,679
FILING DATE: 02-OCT-1996
APPLICATION NUMBER: US 60/028,056
FILING DATE: 02-OCT-1996
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 60/025,719
FILING DATE: 10-SEP-1996
ATTORNEY/AGENT INFORMATION:
NAME: Wilson, Mark B.
REGISTRATION NUMBER: 37,259
REFERENCE/DOCKET NUMBER: ARCD:272
TELEPHONE: 512/418-3000
TELEFAX: 512/474-7577
INFORMATION FOR SEQ ID NO: 9:
SEQUENCE CHARACTERISTICS:
LENGTH: 13 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
FEATURE:
NAME/KEY: modified_base
LOCATION: 7
OTHER INFORMATION: /mod_base= OTHER
OTHER INFORMATION: /note= "N = A, C, G, or T"

US-08-927-219-9

Query Match

8.0%; Score 10.4; DB 1; Length 13;

Best Local Similarity 84.6%; Pred. No. 33;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1409 GTTAATGATGACC 1421
|||||
Db 1 GTTAATNATTACC 13

RESULT 53

US-08-173-489C-279
; Sequence 279, Application US/08173489C
; Patent No. 5861244
; GENERAL INFORMATION:
; APPLICANT: WANG, C. -G.
; APPLICANT: HEPBURN, A. G.
; TITLE OF INVENTION: GENETIC SEQUENCE ASSAY USING DNA
; TITLE OF INVENTION: TRIPLE-STRAND FORMATION.
; NUMBER OF SEQUENCES: 365
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: PROFILE DIAGNOSTIC SCIENCES, INC.,
; STREET: 510 EAST 73RD STREET,
; CITY: NEW YORK
; STATE: NEW YORK
; COUNTRY: USA
; ZIP: 10021
; COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44Mb storage
COMPUTER: IBM PC/XT/AT
OPERATING SYSTEM: MS-DOS version 6.2
SOFTWARE: Wordperfect Version 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/173,489C
FILING DATE: 22 DEC 1993
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/968,436
FILING DATE: 29 OCT 1992
ATTORNEY/AGENT INFORMATION:
NAME: Handelman, Joseph H.
REGISTRATION NUMBER: 26,179
REFERENCE/DOCKET NUMBER: U9518-6
TELEPHONE: (attorney) (212) 708-1880
TELEFAX: (attorney) (212) 246-8959
INFORMATION FOR SEQ ID NO: 279:
SEQUENCE CHARACTERISTICS:
LENGTH: 10 base pairs
TYPE: nucleic acid
STRANDEDNESS: double stranded
TOPOLOGY: linear
MOLECULE TYPE: genomic DNA
DESCRIPTION: 16s rRNA gene from Coxiella burnetii
ACCESSION: (Accession # M21291) nucleotides 444 to 453
HYPOTHETICAL: no
ANTI-SENSE: no
ORIGINAL SOURCE:
ORGANISM: Coxiella burnetii
PUBLICATION INFORMATION:
AUTHORS: Weisburg, W G, Dobson, M E, Samuel, J E,
AUTHORS: Dasch, G A, Mallavia, L P, Mandelco, L,
AUTHORS: Sechrest, J E, Weiss, E, Woese, C R.
TITLE: Phylogenetic diversity of the
JOURNAL: Journal of Bacteriology
VOLUME: 171
PAGES: 4202-4206
DATE: 1989
RELEVANT RESIDUES IN SEQ ID NO: 279 :FROM 1 TO 10

US-08-173-489C-279

Query Match

7.7%; Score 10; DB 1; Length 10;
Best Local Similarity 100.0%; Pred. No. 29;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

schultz911-3.rni

Wed Apr 7 08:00:50 2004

```
QY 1348 GGGGAAGAAA 1357
Db 1 GGGGAAGAAA 10

RESULT 54
US-09-508-753B-113
; Sequence 113, Application US/09508753B
; Patent No. 6544736
; GENERAL INFORMATION:
; APPLICANT: Akira SHIMAMOTO
; APPLICANT: Yasuhiro FURUICHI
; APPLICANT: Yuko SHIBATA
; APPLICANT: Hiroko FUNAKI
; APPLICANT: Ei-ji OHARA
; APPLICANT: Masanori WATAHIKI
; TITLE OF INVENTION: Method for Synthesizing cDNA from mRNA sample
; FILE REFERENCE: 00162/HG
; CURRENT APPLICATION NUMBER: US/09/508,753B
; CURRENT FILING DATE: 2000-06-16
; PRIOR APPLICATION NUMBER: JP 9/270324
; PRIOR FILING DATE: 1997-09-18
; NUMBER OF SEQ ID NOS: 472
; SEQ ID NO 113
; LENGTH: 10
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Primer
US-09-508-753B-113

Query Match 7.7%; Score 10; DB 1; Length 10;
Best Local Similarity 100.0%; Pred. No. 29;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1414 TGATGACCAG 1423
Db 1 TGATGACCAG 10

RESULT 55
US-08-173-489C-25/c
; Sequence 25, Application US/08173489C
; Patent No. 5861244
; GENERAL INFORMATION:
; APPLICANT: WANG, C. -G.
; APPLICANT: HEPBURN, A. G.
; TITLE OF INVENTION: GENETIC SEQUENCE ASSAY USING DNA
; TITLE OF INVENTION: TRIPLE-STRAND FORMATION.
; NUMBER OF SEQUENCES: 365
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: PROFILE DIAGNOSTIC SCIENCES, INC.,
; STREET: 510 EAST 73RD STREET,
; CITY: NEW YORK
; STATE: NEW YORK
; COUNTRY: USA
; ZIP: 10021.
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5 inch, 1.44Mb storage
; COMPUTER: IBM PC/XT/AT
; OPERATING SYSTEM: MS-DOS version 6.2
; SOFTWARE: Wordperfect Version 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/173,489C
; FILING DATE: 22 DEC 1993
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/968,436
; FILING DATE: 29 OCT 1992
; ATTORNEY/AGENT INFORMATION:
; NAME: Handelman, Joseph H.
; REGISTRATION NUMBER: 26,179

REFERENCE/DOCKET NUMBER: U9518-6
TELECOMMUNICATION INFORMATION:
TELEPHONE: (attorney) (212) 708-1880
TELEFAX: (attorney) (212) 246-8959
INFORMATION FOR SEQ ID NO: 25:
SEQUENCE CHARACTERISTICS:
LENGTH: 11 base pairs
TYPE: Nucleic Acid
STRANDEDNESS: double stranded
TOPOLOGY: linear
MOLECULE TYPE: Genomic DNA
DESCRIPTION: dystrophin gene (Accession # M18533,
DESCRIPTION: M17154, M18026) nucleotides 1074 to 1084
HYPOTHETICAL: No
ANTI-SENSE: No
ORIGINAL SOURCE:
ORGANISM: Homo sapiens
POSITION IN GENOME:
CHROMOSOME/SEGMENT: X-chromosome
MAP POSITION: Xp21.3-p21.1
PUBLICATION INFORMATION:
AUTHORS: Koenig, M, Hoffman, E P, Bertelson, C J,
AUTHORS: Monaco, A P, Feener, C, Kunkel, L M.
TITLE: Complete cloning of the
TITLE: Duchenne muscular dystrophy (DMD) cDNA and
TITLE: preliminary genomic organization of the DMD
TITLE: gene in normal and affected individuals
JOURNAL: Science
VOLUME: 238
PAGES: 347-350
DATE: 1987
AUTHORS: Hoffman, E P, Monaco, A P, Feener, C C,
AUTHORS: Kunkel, L M.
TITLE: Conservation of the Duchenne
TITLE: muscular dystrophy gene in mice and humans
JOURNAL: Science
VOLUME: 238
PAGES: 347-350
DATE: 1987
AUTHORS: Koenig, M, Monaco, A P, Kunkel, L M.
TITLE: The complete sequence of
TITLE: dystrophin predicts a rod-shaped cytoskeletal
TITLE: protein
JOURNAL: Cell
VOLUME: 53
PAGES: 219-228
DATE: 1988
RELEVANT RESIDUES IN SEQ ID NO: 25 :FROM 1 TO 11
US-08-173-489C-25

Query Match 7.7%; Score 10; DB 1; Length 11;
Best Local Similarity 100.0%; Pred. No. 33;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1347 AGGGGAAGAA 1356
Db 11 AGGGGAAGAA 2

RESULT 56
US-08-173-489C-132/c
; Sequence 132, Application US/08173489C
; Patent No. 5861244
; GENERAL INFORMATION:
; APPLICANT: WANG, C. -G.
; APPLICANT: HEPBURN, A. G.
; TITLE OF INVENTION: GENETIC SEQUENCE ASSAY USING DNA
; TITLE OF INVENTION: TRIPLE-STRAND FORMATION.
; NUMBER OF SEQUENCES: 365
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: PROFILE DIAGNOSTIC SCIENCES, INC.,
; STREET: 510 EAST 73RD STREET,
; CITY: NEW YORK
```

STATE: NEW YORK
COUNTRY: USA
ZIP: 10021.
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44Mb storage
COMPUTER: IBM PC/XT/AT
OPERATING SYSTEM: MS-DOS version 6.2
SOFTWARE: Wordperfect Version 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/173,489C
FILING DATE: 22 DEC 1993
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/968,436
FILING DATE: 29 OCT 1992
ATTORNEY/AGENT INFORMATION:
NAME: Handelman, Joseph H.
REGISTRATION NUMBER: 26,179
REFERENCE/DOCKET NUMBER: U9518-6
TELECOMMUNICATION INFORMATION:
TELEPHONE: (attorney) (212) 708-1880
TELEFAX: (attorney) (212) 246-8959
INFORMATION FOR SEQ ID NO: 132:
SEQUENCE CHARACTERISTICS:
LENGTH: 11 bases
TYPE: nucleic acid
STRANDEDNESS: single stranded
TOPOLOGY: linear
MOLECULE TYPE: other nucleic acid
DESCRIPTION: third strand derived from Hepatitis B
DESCRIPTION: isolate adr sequence region in Seq ID No. 5861244131
HYPOTHETICAL: yes
ANTI-SENSE: no
PUBLICATION INFORMATION:
RELEVANT RESIDUES IN SEQ ID NO: 132 :FROM 1 TO 11
US-08-173-489C-132
Query Match 7.7%; Score 10; DB 1; Length 11;
Best Local Similarity 100.0%; Pred. No. 33;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1347 AGGGGAAGAA 1356
Db 11 AGGGGAAGAA 2
RESULT 57
US-09-384-327-3/c
Sequence 3, Application US/09384327
Patent No. RE37806
GENERAL INFORMATION:
APPLICANT: Grinnell, Brian W.
TITLE OF INVENTION: METHOD FOR COAMPLIFICATION OF HUMAN
NUMBER OF SEQUENCES: 21
CORRESPONDENCE ADDRESS:
ADDRESSEE: Eli Lilly and Company
STREET: Lilly Corporate Center/Patent Division
CITY: Indianapolis
STATE: IN
COUNTRY: US
ZIP: 46285
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/384,327
FILING DATE: 16-Aug-1999
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/458,372

FILING DATE: 02-JUN-1995
ATTORNEY/AGENT INFORMATION:
NAME: No. RE37806man, Douglas K.
REGISTRATION NUMBER: 33,267
REFERENCE/DOCKET NUMBER: X-66061
TELECOMMUNICATION INFORMATION:
TELEPHONE: 317-276-2958
TELEFAX: 317-277-1917
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 12 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
SEQUENCE DESCRIPTION: SEQ ID NO: 3:
US-09-384-327-3
Query Match 7.7%; Score 10; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 36;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1388 CTGATCAAAG 1397
Db 12 CTGATCAAAG 3
RESULT 58
US-08-458-372-3/c
Sequence 3, Application US/08458372
Patent No. 5681932
GENERAL INFORMATION:
APPLICANT: Grinnell, Brian W.
TITLE OF INVENTION: METHOD FOR COAMPLIFICATION OF HUMAN
TITLE OF INVENTION: PROTEIN C GENES IN HUMAN CELLS
NUMBER OF SEQUENCES: 21
CORRESPONDENCE ADDRESS:
ADDRESSEE: Eli Lilly and Company
STREET: Lilly Corporate Center/Patent Division
CITY: Indianapolis
STATE: IN
COUNTRY: US
ZIP: 46285
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/458,372
FILING DATE: 02-JUN-1995
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: No. 5681932man, Douglas K.
REGISTRATION NUMBER: 33,267
REFERENCE/DOCKET NUMBER: X-66061
TELECOMMUNICATION INFORMATION:
TELEPHONE: 317-276-2958
TELEFAX: 317-277-1917
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 12 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
US-08-458-372-3
Query Match 7.7%; Score 10; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 36;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1388 CTGATCAAAG 1397

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```
Db          2  GGAAGAAAA 11

RESULT 60
US-09-374-135-9
; Sequence 9, Application US/09374135
; Patent No. 6277972
; GENERAL INFORMATION:
; APPLICANT: Afar, Daniel E.
; APPLICANT: Hubert, Rene S.
; APPLICANT: Leong, Kahan
; APPLICANT: Raitano, Arthur B.
; APPLICANT: Saffran, Douglas C.
; APPLICANT: Jakobovits, Aya
; TITLE OF INVENTION: BPC-1: A SECRETED BRAIN-SPECIFIC PROTEIN EXPRESSED AND
; TITLE OF INVENTION: SECRETED BY PROSTATE AND BLADDER CANCER CELLS
; FILE REFERENCE: 1703-017.US1
; CURRENT APPLICATION NUMBER: US/09/374,135
; CURRENT FILING DATE: 1999-08-10
; PRIOR APPLICATION NUMBER: 60/095,982
; PRIOR FILING DATE: 1998-08-10
; NUMBER OF SEQ ID NOS: 20
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 9
; LENGTH: 14
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: cDNA synthesis
; OTHER INFORMATION: primer
US-09-374-135-9

Query Match          7.7%; Score 10; DB 1; Length 14;
Best Local Similarity 100.0%; Pred. No. 43;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY          1457 TTGATCAAGC 1466
Db          3  TTGATCAAGC 12

RESULT 61
US-09-410-132-5
; Sequence 5, Application US/09410132
; Patent No. 6509458
; GENERAL INFORMATION:
; APPLICANT: Afar, Daniel E.
; APPLICANT: Hubert, Rene S.
; APPLICANT: Mitchell, Stephen C.
; TITLE OF INVENTION: NOVEL GENE EXPRESSED IN PROSTATE CANCER
; FILE REFERENCE: 1703-021.US1
; CURRENT APPLICATION NUMBER: US/09/410,132
; CURRENT FILING DATE: 1999-09-30
; EARLIER APPLICATION NUMBER: 60/102,572
; EARLIER FILING DATE: 1998-09-30
; EARLIER APPLICATION NUMBER: 60/146,584
; EARLIER FILING DATE: 1999-07-28
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 5
; LENGTH: 14
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: cDNA synthesis
; OTHER INFORMATION: primer
US-09-410-132-5

Query Match          7.7%; Score 10; DB 1; Length 14;
Best Local Similarity 100.0%; Pred. No. 43;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY          1457 TTGATCAAGC 1466

Db          12 CTGATCAAG 3

RESULT 59
US-08-173-489C-333
; Sequence 333, Application US/08173489C
; Patent No. 5861244
; GENERAL INFORMATION:
; APPLICANT: WANG, C. -G.
; APPLICANT: HEPBURN, A. G.
; TITLE OF INVENTION: GENETIC SEQUENCE ASSAY USING DNA
; TITLE OF INVENTION: TRIPLE-STRAND FORMATION.
; NUMBER OF SEQUENCES: 365
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: PROFILE DIAGNOSTIC SCIENCES, INC.,
; STREET: 510 EAST 73RD STREET,
; CITY: NEW YORK
; STATE: NEW YORK
; COUNTRY: USA
; ZIP: 10021.
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5 inch, 1.44Mb storage
; COMPUTER: IBM PC/XT/AT
; OPERATING SYSTEM: MS-DOS version 6.2
; SOFTWARE: Wordperfect Version 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/173,489C
; FILING DATE: 22 DEC 1993
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/968,436
; FILING DATE: 29 OCT 1992
; ATTORNEY/AGENT INFORMATION:
; NAME: Handelman, Joseph H.
; REGISTRATION NUMBER: 26,179
; REFERENCE/DOCKET NUMBER: U9518-6
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (attorney) (212) 708-1880
; TELEFAX: (attorney) (212) 246-8959
; INFORMATION FOR SEQ ID NO: 333:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 13 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double stranded
; TOPOLOGY: linear
; MOLECULE TYPE: genomic DNA
; DESCRIPTION: 16s rRNA gene from Neisseria
; DESCRIPTION: gonorrhoeae (Accession # X07714) nucleotides
; DESCRIPTION: 445 to 457
; HYPOTHETICAL: no
; ANTI-SENSE: no
; ORIGINAL SOURCE:
; ORGANISM: Neisseria gonorrhoeae
; STRAIN: NCTC 83785
; PUBLICATION INFORMATION:
; AUTHORS: Rossau, R, Heyndrickx, L, van
; AUTHORS: Heuverswyn, H.
; TITLE: Nucleotide sequence of a 16s
; TITLE: ribosomal RNA gene from Neisseria gonorrhoeae
; JOURNAL: Nucleic Acids Research
; VOLUME: 16
; PAGES: 6227-6227
; DATE: 1988
; RELEVANT RESIDUES IN SEQ ID NO: 333 :FROM 1 TO 13
US-08-173-489C-333

Query Match          7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 39;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY          1349 GGAAGAAAA 1358
Db          12 CTGATCAAG 3
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```
Db      3 TTGATCAAGC 12
|||||
RESULT 62
US-09-702-114A-3
; Sequence 3, Application US/09702114A
; Patent No. 6566078
; GENERAL INFORMATION:
; APPLICANT: Arthur B. Raitano
; APPLICANT: Aya Jakobovits
; APPLICANT: Mary Faris
; APPLICANT: Daniel E.H. Afar
; APPLICANT: Rene S. Hubert
; APPLICANT: Steve Chappell Mitchell
; TITLE OF INVENTION: 36P6D5: SECRETED TUMOR ANTIGEN
; FILE REFERENCE: 129.22-US-U1
; CURRENT APPLICATION NUMBER: US/09/702,114A
; CURRENT FILING DATE: 2001-06-04
; PRIOR APPLICATION NUMBER: 60/162,417
; PRIOR FILING DATE: 1999-10-28
; NUMBER OF SEQ ID NOS: 28
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 3
; LENGTH: 14
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Primer
US-09-702-114A-3
Query Match      7.7%; Score 10; DB 1; Length 14;
Best Local Similarity 100.0%; Pred. No. 43;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1457 TTGATCAAGC 1466
|||||
Db      3 TTGATCAAGC 12

RESULT 63
US-09-638-203-11
; Sequence 11, Application US/09638203
; Patent No. 6602501
; GENERAL INFORMATION:
; APPLICANT: Daniel E.H. Afar
; APPLICANT: Rene S. Hubert
; APPLICANT: Aya Jakobovits
; APPLICANT: Arthur B. Raitano
; TITLE OF INVENTION: NOVEL C-TYPE LECTIN TRANSMEMBRANE
; TITLE OF INVENTION: ANTIGEN EXPRESSED IN HUMAN PROSTATE CANCER AND USES THEREOF
; FILE REFERENCE: 129.20USU1
; CURRENT APPLICATION NUMBER: US/09/638,203
; CURRENT FILING DATE: 2000-08-11
; PRIOR APPLICATION NUMBER: 60/148,935
; PRIOR FILING DATE: 1999-08-12
; NUMBER OF SEQ ID NOS: 47
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 11
; LENGTH: 14
; TYPE: DNA
; ORGANISM: Homo Sapiens
US-09-638-203-11
Query Match      7.7%; Score 10; DB 1; Length 14;
Best Local Similarity 100.0%; Pred. No. 43;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1457 TTGATCAAGC 1466
|||||
Db      3 TTGATCAAGC 12
```

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RESULT 64
US-09-375-673B-10
; Sequence 10, Application US/09375673B
; Patent No. 6605431
; GENERAL INFORMATION:
; APPLICANT: GOURSE, RICHARD L.
; APPLICANT: ESTREM, SHAWN T.
; APPLICANT: ROSS, WILMA E.
; APPLICANT: GAAL, TAMAS
; TITLE OF INVENTION: PROMOTER ELEMENTS AND METHODS OF USE
; FILE REFERENCE: 11900130101
; CURRENT APPLICATION NUMBER: US/09/375,673B
; CURRENT FILING DATE: 1999-08-17
; NUMBER OF SEQ ID NOS: 89
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 10
; LENGTH: 14
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Distal
; OTHER INFORMATION: accessory promoter element
US-09-375-673B-10
Query Match      7.7%; Score 10; DB 1; Length 14;
Best Local Similarity 100.0%; Pred. No. 43;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1354 GAAAAATATT 1363
|||||
Db      1 GAAAAATATT 10

RESULT 65
US-09-409-938-9
; Sequence 9, Application US/09409938
; Patent No. 6652859
; GENERAL INFORMATION:
; APPLICANT: Afar, Daniel E.H.
; APPLICANT: Hubert, Rene S.
; APPLICANT: Raitano, Arthur B.
; APPLICANT: Mitchell, Stephen C.
; TITLE OF INVENTION: PTANS: TESTIS SPECIFIC PROTEINS
; TITLE OF INVENTION: EXPRESSED IN PROSTATE CANCER
; FILE REFERENCE: 129.26-US-U4
; CURRENT APPLICATION NUMBER: US/09/409,938
; CURRENT FILING DATE: 1999-09-30
; PRIOR APPLICATION NUMBER: 60/102,556
; PRIOR FILING DATE: 1998-09-30
; PRIOR APPLICATION NUMBER: 60/102,910
; PRIOR FILING DATE: 1998-10-02
; PRIOR APPLICATION NUMBER: 60/113,229
; PRIOR FILING DATE: 1998-12-21
; PRIOR APPLICATION NUMBER: 60/129,518
; PRIOR FILING DATE: 1999-04-14
; NUMBER OF SEQ ID NOS: 23
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 9
; LENGTH: 14
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: cDNA Synthesis Primer
US-09-409-938-9
Query Match      7.7%; Score 10; DB 1; Length 14;
Best Local Similarity 100.0%; Pred. No. 43;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1457 TTGATCAAGC 1466
|||||
Db      3 TTGATCAAGC 12
```



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RESULT 66
S-08-372-183-5
Sequence 5, Application US/08372183
Patent No. 6005086
GENERAL INFORMATION:
APPLICANT: Evans, Ronald M.
APPLICANT: Forman, Barry M.
APPLICANT: Weinberger, Cary A.
TITLE OF INVENTION: METHOD FOR MODULATING PROCESSES MEDIATED
TITLE OF INVENTION: BY FARNESOID ACTIVATED RECEPTORS
NUMBER OF SEQUENCES: 7
CORRESPONDENCE ADDRESS:
ADDRESSEE: Pretty, Schroeder, Brueggemann & Clark
STREET: 444 South Flower Street, Suite 2000
CITY: Los Angeles
STATE: CA
COUNTRY: USA
ZIP: 90071
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/372,183
FILING DATE:
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Reiter, Stephen E.
REGISTRATION NUMBER: 31,192
REFERENCE/DOCKET NUMBER: P41 9844
TELECOMMUNICATION INFORMATION:
TELEPHONE: 619-546-4737
TELEFAX: 619-546-9392
INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
LENGTH: 13 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: Other nucleic acid;
DESCRIPTION: Oligonucleotide
US-08-372-183-5

Query Match          7.5%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 43;
Matches    11;   Conservative    0;   Mismatches    2;   Indels    0;   Gaps    0;

QY      1425 CGTTCATGCGACA 1437
Db       1 CGTTCATGCGACA 13

RESULT 67
US-08-607-078-3
Sequence 3, Application US/08607078
Patent No. 6090947
GENERAL INFORMATION:
APPLICANT: California Institute of Technology
TITLE OF INVENTION: Method for the Synthesis of Pyrrole
TITLE OF INVENTION: and Imidazole Carboxamides on a
TITLE OF INVENTION: Solid Support
NUMBER OF SEQUENCES: 23
CORRESPONDENCE ADDRESS:
ADDRESSEE: Swanson & Bratschun, L.L.C.
STREET: 8400 E. Prentice Avenue, Suite 200
CITY: Englewood
STATE: Colorado
COUNTRY: USA
ZIP: 80111
COMPUTER READABLE FORM:

```

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LENGTH: 13 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: Other nucleic acid;
DESCRIPTION: Oligonucleotide
US-09-469-721-5

Query Match 7.5%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 43;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1425 CGTTCATGCAGA 1437
Db 1 CGTTCATGCACA 13

RESULT 69
US-09-696-443-5
Sequence 5, Application US/09696443
Patent No. 6416957
GENERAL INFORMATION:
APPLICANT: Evans, Ronald M.
Forman, Barry M.
Weinberger, Cary A.
TITLE OF INVENTION: METHOD FOR MODULATING PROCESSES MEDIATED
BY FARNESOID ACTIVATED RECEPTORS
NUMBER OF SEQUENCES: 7
CORRESPONDENCE ADDRESS:
ADDRESSEE: Pretty, Schroeder, Brueggemann & Clark
STREET: 444 South Flower Street, Suite 2000
CITY: Los Angeles
STATE: CA
COUNTRY: USA
ZIP: 90071
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/696,443
FILING DATE: 24-Oct-2000
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/372,183
FILING DATE: <Unknown>
ATTORNEY/AGENT INFORMATION:
NAME: Reiter, Stephen E.
REGISTRATION NUMBER: 31,192
REFERENCE/DOCKET NUMBER: P41 9844
TELECOMMUNICATION INFORMATION:
TELEPHONE: 619-546-4737
TELEFAX: 619-546-9392
INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
LENGTH: 13 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: Other nucleic acid;
DESCRIPTION: Oligonucleotide
SEQUENCE DESCRIPTION: SEQ ID NO: 5:
US-09-696-443-5

Query Match 7.5%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 43;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1425 CGTTCATGCAGA 1437
Db 1 CGTTCATGCACA 13

RESULT 70
US-09-359-921-3
Sequence 3, Application US/09359921
Patent No. 6545162
GENERAL INFORMATION:
APPLICANT: BAIRD, ELDON E.
APPLICANT: DERVAN, PETER B.
TITLE OF INVENTION: METHOD FOR THE SYNTHESIS OF PYRROLE AND IMIDAZOLE
CARBOXAMIDES ON A SOLID SUPPORT
TITLE OF INVENTION: CARBOXAMIDES ON A SOLID SUPPORT
FILE REFERENCE: 025098-1602
CURRENT APPLICATION NUMBER: US/09/359,921
CURRENT FILING DATE: 1999-07-22
NUMBER OF SEQ ID NOS: 31
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 3
LENGTH: 13
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Synthetic
OTHER INFORMATION: oligonucleotide
US-09-359-921-3

Query Match 7.5%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 43;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1431 ATGCAGACATATA 1443
Db 1 ATATAGACATATA 13

RESULT 71
US-09-360-344-3
Sequence 3, Application US/09360344
Patent No. 6683189
GENERAL INFORMATION:
APPLICANT: DERVAN, PETER B.
APPLICANT: BAIRD, ELDON E.
TITLE OF INVENTION: METHOD FOR THE SYNTHESIS OF PYRROLE AND IMIDAZOLE
CARBOXAMIDES ON A SOLID SUPPORT
TITLE OF INVENTION: CARBOXAMIDES ON A SOLID SUPPORT
FILE REFERENCE: 025098-1604
CURRENT APPLICATION NUMBER: US/09/360,344
CURRENT FILING DATE: 1999-07-22
NUMBER OF SEQ ID NOS: 31
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 3
LENGTH: 13
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Synthetic
OTHER INFORMATION: oligonucleotide
US-09-360-344-3

Query Match 7.5%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 43;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1431 ATGCAGACATATA 1443
Db 1 ATATAGACATATA 13

RESULT 72
PCT-US95-17023-5
Sequence 5, Application PC/TUS9517023
GENERAL INFORMATION:
APPLICANT: Evans, Ronald M.
APPLICANT: Forman, Barry M.
APPLICANT: Weinberger, Cary A.
TITLE OF INVENTION: METHOD FOR MODULATING PROCESSES MEDIATED
BY FARNESOID ACTIVATED RECEPTORS

;; TITLE OF INVENTION: BY FARNESOID ACTIVATED RECEPTORS
;; NUMBER OF SEQUENCES: 7
;; CORRESPONDENCE ADDRESS:
;; ADDRESSEE: Pretz, Schroeder, Brueggemann & Clark
;; STREET: 444 South Flower Street, Suite 2000
;; CITY: Los Angeles
;; STATE: CA
;; COUNTRY: USA
;; ZIP: 90071
;; COMPUTER READABLE FORM:
;; MEDIUM TYPE: Floppy disk
;; COMPUTER: IBM PC compatible
;; OPERATING SYSTEM: PC-DOS/MS-DOS
;; SOFTWARE: PatentIn Release #1.0, Version #1.25
;; CURRENT APPLICATION DATA:
;; APPLICATION NUMBER: PCT/US95/17023
;; FILING DATE:
;; CLASSIFICATION:
;; ATTORNEY/AGENT INFORMATION:
;; NAME: Reiter, Stephen E.
;; REGISTRATION NUMBER: 31,192
;; REFERENCE/DOCKET NUMBER: P41 9844
;; TELECOMMUNICATION INFORMATION:
;; TELEPHONE: 619-546-4737
;; TELEFAX: 619-546-9392
;; INFORMATION FOR SEQ ID NO: 5:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 13 base pairs
;; TYPE: nucleic acid
;; STRANDEDNESS: single
;; TOPOLOGY: linear
;; MOLECULE TYPE: Other nucleic acid;
;; DESCRIPTION: Oligonucleotide
PCT-US95-17023-5

Query Match 7.5%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 43;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1425 CGTTCATGCAGA 1437
Db 1 CGTTCATGCACA 13

RESULT 73
US-08-393-734-8/c
; Sequence 8, Application US/08393734
; Patent No. 5652224
; GENERAL INFORMATION:
; APPLICANT: Wilson, James M.
; APPLICANT: Kozarsky, Karen F.
; APPLICANT: Strauss, Jerome F.
; TITLE OF INVENTION: Methods and Compositions for Gene
; TITLE OF INVENTION: Therapy for the Treatment of Defects in Lipoprotein
; TITLE OF INVENTION: Metabolism
; NUMBER OF SEQUENCES: 8
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Howson and Howson
; STREET: Spring House Corporate Cntr., PO Box 457
; CITY: Spring House
; STATE: Pennsylvania
; COUNTRY: USA
; ZIP: 19477
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/393,734
; FILING DATE:
; CLASSIFICATION: 424
; ATTORNEY/AGENT INFORMATION:

;; NAME: Bak, Mary E.
;; REGISTRATION NUMBER: 31,215
;; REFERENCE/DOCKET NUMBER: UPNH1254USA
;; TELECOMMUNICATION INFORMATION:
;; TELEPHONE: 215-540-9200
;; TELEFAX: 215-540-5818
;; INFORMATION FOR SEQ ID NO: 8:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 14 base pairs
;; TYPE: nucleic acid
;; STRANDEDNESS: double
;; TOPOLOGY: unknown
;; MOLECULE TYPE: DNA (genomic)
US-08-393-734-8

Query Match 7.5%; Score 9.8; DB 1; Length 14;
Best Local Similarity 84.6%; Pred. No. 47;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1353 AGAAAAATATCC 1365
Db 14 AGACAAATATTAC 2

RESULT 74
US-08-836-022A-8/c
; Sequence 8, Application US/08836022A
; Patent No. 6001557
; GENERAL INFORMATION:
; APPLICANT: Trustees of the University of Pennsylvania
; APPLICANT: Wilson, James M.
; APPLICANT: Fisher, Krishna J.
; APPLICANT: Chen, Shu-Jen
; APPLICANT: Weitzman, Matthew
; TITLE OF INVENTION: Improved Adenovirus Virus and
; NUMBER OF SEQUENCES: 10
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Howson and Howson
; STREET: Spring House Corporate Cntr, P O Box 457
; CITY: Spring House
; STATE: Pennsylvania
; COUNTRY: USA
; ZIP: 19477
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/836,022A
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/331,381
; FILING DATE: 28-OCT-1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Bak, Mary E.
; REGISTRATION NUMBER: 31,215
; REFERENCE/DOCKET NUMBER: GNVFN.008PCT
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 215-540-9200
; TELEFAX: 215-540-5818
; INFORMATION FOR SEQ ID NO: 8:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 14 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: unknown
; MOLECULE TYPE: DNA (genomic)
US-08-836-022A-8

Query Match 7.5%; Score 9.8; DB 1; Length 14;
Best Local Similarity 84.6%; Pred. No. 47;

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Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1353 AGAAAAATATTC 1365
|||||
Db 14 AGACAAATATTAC 2

RESULT 75
US-08-913-833-78
; Sequence 78, Application US/08913833
; Patent No. 6087093
; GENERAL INFORMATION:
; APPLICANT: STUYVER, LIEVEN
; APPLICANT: LOUWAGIE, JOOST
; APPLICANT: ROSSAU, RUDI
; TITLE OF INVENTION: METHOD FOR DETECTION OF DRUG-INDUCED
; TITLE OF INVENTION: MUTATIONS IN THE REVERSE TRANSCRIPTASE GENE
; NUMBER OF SEQUENCES: 164
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: ARNOLD, WHITE & DURKEE
; STREET: P.O. BOX 4433
; CITY: HOUSTON
; STATE: TEXAS
; COUNTRY: USA
; ZIP: 77210-4433
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Microsoft Word 6.0 / ASCII text output
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/913,833
; FILING DATE: 15 Sep 1997
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: PCT/EP97/00211
; FILING DATE: 17 Jan 1997
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: EP 96870005.4
; FILING DATE: 26 Jan 1996
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: EP 96870081.5
; FILING DATE: 25 Jun 1996
; ATTORNEY/AGENT INFORMATION:
; NAME: KAMMERER, PATRICIA A.
; REGISTRATION NUMBER: 29,775
; REFERENCE/DOCKET NUMBER: INNS:008
; INFORMATION FOR SEQ ID NO: 78:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 14 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
US-08-913-833-78

Query Match 7.5%; Score 9.8; DB 1; Length 14;
Best Local Similarity 84.6%; Pred. No. 47;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1441 ATACATGAGAT 1453
|||||
Db 2 ATACATAGATGAT 14

RESULT 76
US-08-894-489-8/c
; Sequence 8, Application US/08894489
; Patent No. 6174527
; GENERAL INFORMATION:
; APPLICANT: Wilson, James M.
; APPLICANT: Kozarsky, Karen F.

APPLICANT: Strauss, Jerome F.
TITLE OF INVENTION: Methods and Compositions for Gene
TITLE OF INVENTION: Therapy for the Treatment of Defects in Lipoprotein
TITLE OF INVENTION: Metabolism
NUMBER OF SEQUENCES: 8
CORRESPONDENCE ADDRESS:
ADDRESSEE: Howson and Howson
STREET: Spring House Corporate Cntr., PO Box 457
CITY: Spring House
STATE: Pennsylvania
COUNTRY: USA
ZIP: 19477
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/894,489
FILING DATE:
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/393,734
FILING DATE: 24-FEB-1995
ATTORNEY/AGENT INFORMATION:
NAME: Bak, Mary E.
REGISTRATION NUMBER: 31,215
REFERENCE/DOCKET NUMBER: GNVN.009CIP1USA
TELECOMMUNICATION INFORMATION:
TELEPHONE: 215-540-9200
TELEFAX: 215-540-5818
INFORMATION FOR SEQ ID NO: 8:
SEQUENCE CHARACTERISTICS:
LENGTH: 14 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: unknown
MOLECULE TYPE: DNA (genomic)
US-08-894-489-8

Query Match 7.5%; Score 9.8; DB 1; Length 14;
Best Local Similarity 84.6%; Pred. No. 47;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1353 AGAAAAATATTC 1365
|||||
Db 14 AGACAAATATTAC 2

RESULT 77
US-09-427-048A-8/c
; Sequence 8, Application US/09427048A
; Patent No. 6203975
; GENERAL INFORMATION:
; APPLICANT: Trustees of the University of Pennsylvania
; Wilson, James M.
; Fisher, Krishna J.
; Chen, Shu-Jen
; Weitzman, Matthew
TITLE OF INVENTION: Improved Adenovirus Virus and
METHODS OF USE THEREOF
NUMBER OF SEQUENCES: 10
CORRESPONDENCE ADDRESS:
ADDRESSEE: Howson and Howson
STREET: Spring House Corporate Cntr, P O Box 457
CITY: Spring House
STATE: Pennsylvania
COUNTRY: USA
ZIP: 19477
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/427,048A
FILING DATE: 21-Oct-1999
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/836,022
FILING DATE: <Unknown>
ATTORNEY/AGENT INFORMATION:
NAME: Bak, Mary E.
REGISTRATION NUMBER: 31,215
REFERENCE/DOCKET NUMBER: GNVFN.008PCT
TELECOMMUNICATION INFORMATION:
TELEPHONE: 215-540-9200
TELEFAX: 215-540-5818
INFORMATION FOR SEQ ID NO: 8:
SEQUENCE CHARACTERISTICS:
LENGTH: 14 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: unknown
MOLECULE TYPE: DNA (genomic)
SEQUENCE DESCRIPTION: SEQ ID NO: 8:
US-09-427-048A-8

Query Match 7.5%; Score 9.8; DB 1; Length 14;
Best Local Similarity 84.6%; Pred. No. 47;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1353 AGAAAAATATTC 1365
Db 14 AGACAAATATTAC 2

RESULT 78
US-09-580-794C-78
Sequence 78, Application US/09580794C
Patent No. 6331389
GENERAL INFORMATION:
APPLICANT: Stuyver, Lieven
APPLICANT: Louwagie, Joost
APPLICANT: Rossau, Rudi
TITLE OF INVENTION: METHOD FOR DETECTION OF DRUG-INDUCED MUTATIONS IN THE REVERSE
FILE REFERENCE: INNS008-2
CURRENT APPLICATION NUMBER: US/09/580,794C
CURRENT FILING DATE: 2000-05-30
PRIOR APPLICATION NUMBER: 08/913,833 now US/6,087,093
PRIOR FILING DATE: 1997-09-15
PRIOR APPLICATION NUMBER: PCT/EP 97/00211
PRIOR FILING DATE: 1997-01-17
PRIOR APPLICATION NUMBER: EP 96870005.4
PRIOR FILING DATE: 1996-01-26
PRIOR APPLICATION NUMBER: EP 96870081.5
PRIOR FILING DATE: 1996-06-25
NUMBER OF SEQ ID NOS: 164
SOFTWARE: PatentIn version 3.0
SEQ ID NO 78
LENGTH: 14
TYPE: DNA
ORGANISM: Artificial sequence
FEATURE:
OTHER INFORMATION: Synthetic Primer
US-09-580-794C-78

Query Match 7.5%; Score 9.8; DB 1; Length 14;
Best Local Similarity 84.6%; Pred. No. 47;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1441 ATACATGAAGAT 1453
Db 2 ATACATAGATGAT 14

RESULT 79
US-09-475-947A-6/c
Sequence 6, Application US/09475947A
Patent No. 6472154
GENERAL INFORMATION:
APPLICANT: Garner, Harold R.
APPLICANT: Wren, Jonathan D.
APPLICANT: Minna, John D.
TITLE OF INVENTION: Polymorphic Repeats in Human Genes
FILE REFERENCE: UTS00667
CURRENT APPLICATION NUMBER: US/09/475,947A
CURRENT FILING DATE: 1999-12-31
NUMBER OF SEQ ID NOS: 346
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 6
LENGTH: 14
TYPE: DNA
ORGANISM: human
US-09-475-947A-6

Query Match 7.5%; Score 9.8; DB 1; Length 14;
Best Local Similarity 84.6%; Pred. No. 47;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1430 TATGCAGACATAT 1442
Db 14 TATGCACACACAT 2

RESULT 80
US-09-874-601-123/c
Sequence 123, Application US/09874601
Patent No. 6632057
GENERAL INFORMATION:
APPLICANT: LEWIN, ALFRED S.
APPLICANT: SHAW, LYNN C.
APPLICANT: GRANT, MARIA B.
TITLE OF INVENTION: ADENO-ASSOCIATED VIRUS-DELIVERED RIBOZYME COMPOSITIONS AND METHC
FILE REFERENCE: 4300.014100
CURRENT APPLICATION NUMBER: US/09/874,601
CURRENT FILING DATE: 2001-05-01
PRIOR APPLICATION NUMBER: 09/063,667
PRIOR FILING DATE: 1998-04-21
PRIOR APPLICATION NUMBER: 60/046,147
PRIOR FILING DATE: 1997-05-09
PRIOR APPLICATION NUMBER: 60/044,492
PRIOR FILING DATE: 1997-04-21
NUMBER OF SEQ ID NOS: 182
SOFTWARE: PatentIn version 3.0
SEQ ID NO 123
LENGTH: 14
TYPE: RNA
ORGANISM: Artificial Sequence
FEATURE:
NAME/KEY: misc feature
LOCATION: ().{}
OTHER INFORMATION: SYNTHETIC OLIGONUCLEOTIDE
US-09-874-601-123

Query Match 7.5%; Score 9.8; DB 1; Length 14;
Best Local Similarity 84.6%; Pred. No. 47;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1380 ATCGTCTTCTGAT 1392
Db 13 ATCTTCTTCTGCT 1

RESULT 81
5223407-5
Patent No. 5223407

APPLICANT: WONG, RAYMOND W.K.; SUTHERLAND, MARGARET L.
TITLE OF INVENTION: EXCRETION OF HETEROLOGOUS PROTEINS
FROM E. COLI
NUMBER OF SEQUENCES: 6
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/395,797
FILING DATE: 18-AUG-1989
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 239,145
FILING DATE: 31-AUG-1988
SEQ ID NO: 5:
LENGTH: 14
5223407-5

Query Match 7.5%; Score 9.8; DB 1; Length 14;
Best Local Similarity 84.6%; Pred. No. 47;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
QY 1396 AGGAGGTAAAT 1408
Db 1 AGGAGGAAAAAT 13

RESULT 82
5223407-6
Patent No. 5223407
APPLICANT: WONG, RAYMOND W.K.; SUTHERLAND, MARGARET L.
TITLE OF INVENTION: EXCRETION OF HETEROLOGOUS PROTEINS
FROM E. COLI
NUMBER OF SEQUENCES: 6
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/395,797
FILING DATE: 18-AUG-1989
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 239,145
FILING DATE: 31-AUG-1988
SEQ ID NO: 6:
LENGTH: 14
5223407-6

Query Match 7.5%; Score 9.8; DB 1; Length 14;
Best Local Similarity 84.6%; Pred. No. 47;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
QY 1396 AGGAGGTAAAT 1408
Db 1 AGGAGGAAAAAT 13

RESULT 83
US-07-910-867B-15
Sequence 15, Application US/07910867B
Patent No. 5597895
GENERAL INFORMATION:
APPLICANT: Gaynor, Richard B.
APPLICANT: Garcia, Joseph A.
APPLICANT: Harrich, David
TITLE OF INVENTION: Transdominant Tat Mutants and Uses
NUMBER OF SEQUENCES: 22
CORRESPONDENCE ADDRESS:
ADDRESSEE: Arnold, White & Durkee
STREET: P.O. Box 4433
CITY: Houston
STATE: Texas
COUNTRY: US
ZIP: 77210
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent in Release #1.0, Version #1.30
CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/07/910,867B
FILING DATE: 02-JUL-1992
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Mayfield, Denise L.
REGISTRATION NUMBER: 33,732
REFERENCE/DOCKET NUMBER: UTSD:263/MAY
TELEPHONE: 512/418-3000
TELEFAX: 512/474-7577
TELEX: N/A

INFORMATION FOR SEQ ID NO: 15:
SEQUENCE CHARACTERISTICS:
LENGTH: 11 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: other nucleic acid
DESCRIPTION: /desc = "DNA"
US-07-910-867B-15

Query Match 7.2%; Score 9.4; DB 1; Length 11;
Best Local Similarity 90.9%; Pred. No. 44;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1449 AAGATGGGTG 1459
Db 1 AAGATGGGTG 11

RESULT 84
US-08-346-613-15
Sequence 15, Application US/08346613
Patent No. 5686264
GENERAL INFORMATION:
APPLICANT: GAYNOR, RICHARD B.
APPLICANT: GARCIA, JOSEPH A.
APPLICANT: HARRICH, DAVID
TITLE OF INVENTION: TRANSDOMINANT Tat MUTANTS AND USES
NUMBER OF SEQUENCES: 18
CORRESPONDENCE ADDRESS:
ADDRESSEE: ARNOLD, WHITE & DURKEE
STREET: P.O. BOX 4433
CITY: HOUSTON
STATE: TEXAS
COUNTRY: USA
ZIP: 77210
COMPUTER READABLE FORM:
MEDIUM TYPE: FLOPPY DISK
COMPUTER: IBM PC COMPATIBLE
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WORDPERFECT 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/346,613
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/910,867
FILING DATE: 07/02/92
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: MAYFIELD, DENISE L.
REGISTRATION NUMBER: 33,732
REFERENCE/DOCKET NUMBER: UTSD:263/MAY
TELEPHONE: 512-320-7200
TELEFAX: 512-474-7577
TELEX: NOT APPLICABLE
INFORMATION FOR SEQ ID NO: 15:
SEQUENCE CHARACTERISTICS:
LENGTH: 11 base pairs
TYPE: nucleic acid

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; STRANDEDNESS: single
; TOPOLOGY: linear
US-08-346-613-15

Query Match          7.2%; Score 9.4; DB 1; Length 11;
Best Local Similarity 90.9%; Pred. No. 44;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1449 AAGATGGGTG 1459
Db 1 AAGATGGGTG 11

RESULT 85
US-08-983-108-24/c
; Sequence 24, Application US/08983108
; Patent No. 5972612
; GENERAL INFORMATION:
; APPLICANT: Malmqvist, Magnus
; APPLICANT: Persson, Bjorn
; TITLE OF INVENTION: METHOD FOR NUCLEIC ACID SEQUENCING
; NUMBER OF SEQUENCES: 26
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: SEED and BERRY
; STREET: 6300 Columbia Center, 701 Fifth Avenue
; CITY: Seattle
; STATE: Washington
; COUNTRY: USA
; ZIP: 98104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/983,108
; FILING DATE: 15-MAY-1998
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Loop, Thomas E.
; REGISTRATION NUMBER: 41,181
; REFERENCE/DOCKET NUMBER: 740073.441US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (206) 622-4900
; TELEFAX: (206) 682-6031
; INFORMATION FOR SEQ ID NO: 24:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 11 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
US-08-983-108-24

Query Match          7.2%; Score 9.4; DB 1; Length 11;
Best Local Similarity 90.9%; Pred. No. 44;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1357 AAATATTCAC 1367
Db 11 AAATATTCAC 1

RESULT 86
US-08-929-856-2
; Sequence 2, Application US/08929856
; Patent No. 6136568
; GENERAL INFORMATION:
; APPLICANT: Hiatt, Andrew
; APPLICANT: Rose, Floyd
; TITLE OF INVENTION: DE NOVO POLYNUCLEOTIDE SYNTHESIS USING
; NUMBER OF SEQUENCES: 190
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: LERNER, DAVID, LITTENBERG, KRUMHOLZ &
; STREET: 600 South, Avenue West
; CITY: Westfield
; STATE: New Jersey
; COUNTRY: USA
; ZIP: 07090
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/929,856
; FILING DATE: 15-SEP-1997
; CLASSIFICATION: 536
; ATTORNEY/AGENT INFORMATION:
; NAME: Foley, Shawn P.
; REGISTRATION NUMBER: 33,071
; REFERENCE/DOCKET NUMBER: ROSE 3.0-057
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 908-654-5000
; TELEFAX: 908-654-7866
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 11 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA
US-08-929-856-2

Query Match          7.2%; Score 9.4; DB 1; Length 11;
Best Local Similarity 90.9%; Pred. No. 44;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1373 ACGATCGATCG 1383
Db 1 ACGATCGATCG 11

RESULT 87
US-08-929-856-2/c
; Sequence 2, Application US/08929856
; Patent No. 6136568
; GENERAL INFORMATION:
; APPLICANT: Hiatt, Andrew
; APPLICANT: Rose, Floyd
; TITLE OF INVENTION: DE NOVO POLYNUCLEOTIDE SYNTHESIS USING
; NUMBER OF SEQUENCES: 190
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: LERNER, DAVID, LITTENBERG, KRUMHOLZ &
; STREET: 600 South, Avenue West
; CITY: Westfield
; STATE: New Jersey
; COUNTRY: USA
; ZIP: 07090
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/929,856
; FILING DATE: 15-SEP-1997
; CLASSIFICATION: 536
; ATTORNEY/AGENT INFORMATION:
; NAME: Foley, Shawn P.
; REGISTRATION NUMBER: 33,071
; REFERENCE/DOCKET NUMBER: ROSE 3.0-057
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 908-654-5000
; TELEFAX: 908-654-7866
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 11 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA
US-08-929-856-2
```

TELEPHONE: 908-654-5000
TELEFAX: 908-654-7866
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 11 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA
US-08-929-856-2

Query Match 7.2%; Score 9.4; DB 1; Length 11;
Best Local Similarity 90.9%; Pred. No. 44;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1374 CGAGCGATCGT 1384
||| |||||
Db 11 CGATCGATCGT 1

RESULT 88
PCT-US96-09430-19
; Sequence 19, Application PC/TUS9609430
; GENERAL INFORMATION:
; APPLICANT: Glazer, Peter M.
; TITLE OF INVENTION: TREATMENT OF HEMOGLOBINOPATHIES
; NUMBER OF SEQUENCES: 23
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: OncorPharm, Inc.
; STREET: 200 Perry Parkway
; CITY: Gaithersburg
; STATE: Maryland
; COUNTRY: US
; ZIP: 20877
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US96/09430
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/473,845
; FILING DATE: 07-JUN-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Karta, Glenn E.
; REGISTRATION NUMBER: 30,649
; REFERENCE/DOCKET NUMBER: PA-0040
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 301-527-2058
; TELEFAX: 301-208-6997
; INFORMATION FOR SEQ ID NO: 19:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 11 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
PCT-US96-09430-19

Query Match 7.2%; Score 9.4; DB 1; Length 11;
Best Local Similarity 90.9%; Pred. No. 44;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1347 AGGGGAAGAAA 1357
||| |||||
Db 1 AGAGGAAGAAA 11

RESULT 89
US-08-035-928-8
; Sequence 8, Application US/08035928
; Patent No. 553844
; GENERAL INFORMATION:
; APPLICANT: Duyao, Mabel P.
; APPLICANT: MacDonald, Marcy E.
; APPLICANT: Gusella, James F.
; TITLE OF INVENTION: A No. 553844el Transport Protein Gene from
; TITLE OF INVENTION: the Huntington's Disease Region
; NUMBER OF SEQUENCES: 21
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Sterne, Kessler, Goldstein & Fox
; STREET: 1225 Connecticut Avenue N.W.
; CITY: Washington
; STATE: D.C.
; COUNTRY: U.S.A.
; ZIP: 20036
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/035,928
; FILING DATE: 19930323
; CLASSIFICATION: 435
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (202) 466-0800
; TELEFAX: (202) 833-8716
; TELEX:
; INFORMATION FOR SEQ ID NO: 8:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 12 base pairs
; TYPE: NUCLEIC ACID
; STRANDEDNESS: both
; TOPOLOGY: linear
US-08-035-928-8

Query Match 7.2%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 48;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1447 GGAAGATGGGT 1457
||| |||||
Db 2 GCGAGATGGGT 12

RESULT 90
US-08-214-603-13
; Sequence 13, Application US/08214603
; Patent No. 5596091
; GENERAL INFORMATION:
; APPLICANT: SWITZER, Christopher
; TITLE OF INVENTION: NOVEL ANTISENSE OLIGONUCLEOTIDES
; NUMBER OF SEQUENCES: 13
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend Kourie and Crew
; STREET: Steuart Street Tower, One Market Plaza
; CITY: San Francisco
; STATE: California
; COUNTRY: US
; ZIP: 94105-1493
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/214,603
; FILING DATE: 18-MAR-1994
; CLASSIFICATION: 536
; ATTORNEY/AGENT INFORMATION:

NAME: Kezer, William B.
REGISTRATION NUMBER: 37,369
REFERENCE/DOCKET NUMBER: 2307E-052100US
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 543-9600
TELEFAX: (415) 543-5043
INFORMATION FOR SEQ ID NO: 13:
SEQUENCE CHARACTERISTICS:
LENGTH: 12 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: other nucleic acid
DESCRIPTION: /desc = "Oligodeoxynucleotide"
US-08-214-603-13

Query Match 7.2%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 48;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1347 AGGGAAGAAA 1357
|||||
Db 1 AGGGAAGAAA 11

RESULT 91
US-08-441-887A-119
Sequence 119, Application US/08441887A
Patent No. 5837832
GENERAL INFORMATION:
APPLICANT: Chee, Mark
APPLICANT: Cronin, Maureen T.
APPLICANT: Fodor, Stephen P.A.
APPLICANT: Huang, Xiaohua X.
APPLICANT: Hubbell, Earl A.
APPLICANT: Lipshutz, Robert J.
APPLICANT: Lobban, Peter E.
APPLICANT: Morris, Macdonald S.
APPLICANT: Sheldon, Edward L.
TITLE OF INVENTION: Arrays of Nucleic Acid Probes on
TITLE OF INVENTION: Biological Chips
NUMBER OF SEQUENCES: 360
CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew LLP
STREET: Two Embarcadero Center, 8th Floor
CITY: San Francisco
STATE: California
COUNTRY: USA
ZIP: 94111
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/441,887A
FILING DATE: 16-MAY-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/143,312
FILING DATE: 26-OCT-1993
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/082,937
FILING DATE: 25-JUN-1993
ATTORNEY/AGENT INFORMATION:
NAME: Liebeschuetz, Joseph O.
REGISTRATION NUMBER: 37,505
REFERENCE/DOCKET NUMBER: 018547-004160US
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650-326-2400
TELEFAX: 650-326-2422
INFORMATION FOR SEQ ID NO: 119:

SEQUENCE CHARACTERISTICS:
LENGTH: 12 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (probe)
US-08-441-887A-119

Query Match 7.2%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 48;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1429 CTATGCAGACA 1439
|||||
Db 2 CTGTGCAGACA 12

RESULT 92
US-08-173-489C-86/c
Sequence 86, Application US/08173489C
Patent No. 5861244
GENERAL INFORMATION:
APPLICANT: WANG, C. -G.
APPLICANT: HEPBURN, A. G.
TITLE OF INVENTION: GENETIC SEQUENCE ASSAY USING DNA
TITLE OF INVENTION: TRIPLE-STRAND FORMATION.
NUMBER OF SEQUENCES: 365
CORRESPONDENCE ADDRESS:
ADDRESSEE: PROFILE DIAGNOSTIC SCIENCES, INC.,
STREET: 510 EAST 73RD STREET,
CITY: NEW YORK
STATE: NEW YORK
COUNTRY: USA
ZIP: 10021.
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44Mb storage
COMPUTER: IBM PC/XT/AT
OPERATING SYSTEM: MS-DOS version 6.2
SOFTWARE: Wordperfect Version 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/173,489C
FILING DATE: 22 DEC 1993
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/968,436
FILING DATE: 29 OCT 1992
ATTORNEY/AGENT INFORMATION:
NAME: Handelman, Joseph H.
REGISTRATION NUMBER: 26,179
REFERENCE/DOCKET NUMBER: U9518-6
TELECOMMUNICATION INFORMATION:
TELEPHONE: (attorney) (212) 708-1880
TELEFAX: (attorney) (212) 246-8959
INFORMATION FOR SEQ ID NO: 86:
SEQUENCE CHARACTERISTICS:
LENGTH: 12 bases
TYPE: Nucleic Acid
STRANDEDNESS: single stranded
TOPOLOGY: linear
MOLECULE TYPE: other nucleic acid
DESCRIPTION: third strand derived from
DESCRIPTION: retinoblastoma sequence region in Seq ID No. 586124485
HYPOTHETICAL: Yes
ANTI-SENSE: No
PUBLICATION INFORMATION:
RELEVANT RESIDUES IN SEQ ID NO: 86 :FROM 1 TO 12
US-08-173-489C-86

Query Match 7.2%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 48;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1347 AGGGAAGAAA 1357

```
Db      11 AGGAGAAGAAA 1
      ||| ||| ||| |||
RESULT 93
US-09-281-418-187
; Sequence 187, Application US/09281418
; Patent No. 6287769
; GENERAL INFORMATION:
; APPLICANT: Inoue, Takakazu
; TITLE OF INVENTION: Method of Amplifying DNA Fragment, Apparatus for Amplifying DNA F
; TITLE OF INVENTION: agment, Method of Assaying Microorganisms, Method of Analyzing Mi
; TITLE OF INVENTION: nisms and Method of Assaying Contaminant
; FILE REFERENCE: 9982-7
; CURRENT APPLICATION NUMBER: US/09/281,418
; CURRENT FILING DATE: 1999-03-30
; EARLIER APPLICATION NUMBER: JP/1998/87651
; EARLIER FILING DATE: 1998-03-31
; EARLIER APPLICATION NUMBER: JP/1999/69694
; EARLIER FILING DATE: 1999-03-16
; NUMBER OF SEQ ID NOS: 216
; SEQ ID NO 187
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Primer
US-09-281-418-187

Query Match      7.2%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 48;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      1363 TCCACGCATCA 1373
      ||| ||| ||| |||
Db      2 TCGACGCATCA 12

RESULT 94
US-08-927-165A-16
; Sequence 16, Application US/08927165A
; Patent No. 6410226
; GENERAL INFORMATION:
; APPLICANT: Kmiec, Eric B.
; APPLICANT: Holloman, William K.
; APPLICANT: Rice, Michael C.
; APPLICANT: Smith, Sheryl T.
; APPLICANT: Shu, Zhigang
; TITLE OF INVENTION: Mammalian and Human Rec2
; NUMBER OF SEQUENCES: 39
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Kimeragen, Inc.
; STREET: 300 Pheasant Run
; CITY: Newtown
; STATE: PA
; COUNTRY: USA
; ZIP: 18940
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/927,165A
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Hansburg, Daniel
; REGISTRATION NUMBER: 36156
; REFERENCE/DOCKET NUMBER: 7991-010-999

Query Match      7.2%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 48;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      1348 GGGGAAGAAA 1358
      ||| ||| ||| |||
Db      2 GAGGAAGAAA 12

TELECOMMUNICATION INFORMATION:
; TELEPHONE: 215-504-4444
; TELEFAX: 215-504-4545
; TELEX:
; INFORMATION FOR SEQ ID NO: 16:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 12 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
US-08-927-165A-16

Query Match      7.2%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 48;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      1348 GGGGAAGAAA 1358
      ||| ||| ||| |||
Db      2 GAGGAAGAAA 12

RESULT 95
US-08-441-887A-28/c
; Sequence 28, Application US/08441887A
; Patent No. 5837832
; GENERAL INFORMATION:
; APPLICANT: Chee, Mark
; APPLICANT: Cronin, Maureen T.
; APPLICANT: Fodor, Stephen P.A.
; APPLICANT: Huang, Xiaohua X.
; APPLICANT: Hubbell, Earl A.
; APPLICANT: Lipshutz, Robert J.
; APPLICANT: Lobban, Peter E.
; APPLICANT: Morris, Macdonald S.
; APPLICANT: Sheldon, Edward L.
; TITLE OF INVENTION: Arrays of Nucleic Acid Probes on
; TITLE OF INVENTION: Biological Chips
; NUMBER OF SEQUENCES: 360
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend and Crew LLP
; STREET: Two Embarcadero Center, 8th Floor
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94111
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/441,887A
; FILING DATE: 16-MAY-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/143,312
; FILING DATE: 26-OCT-1993
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/082,937
; FILING DATE: 25-JUN-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Liebeschuetz, Joseph O.
; REGISTRATION NUMBER: 37,505
; REFERENCE/DOCKET NUMBER: 018547-004160US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 650-326-2400
; TELEFAX: 650-326-2422
; INFORMATION FOR SEQ ID NO: 28:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 13 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
```

TOPOLOGY: linear
MOLECULE TYPE: DNA (probe)
US-08-441-887A-28

Query Match 7.2%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 52;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1463 AAGCAATAGG 1473
Db 13 AATCAATAGG 3

RESULT 96

US-08-441-887A-117
; Sequence 117, Application US/08441887A
; Patent No. 5837832

GENERAL INFORMATION:

APPLICANT: Chee, Mark
APPLICANT: Cronin, Maureen T.
APPLICANT: Fodor, Stephen P.A.
APPLICANT: Huang, Xiaohua X.
APPLICANT: Hubbell, Earl A.
APPLICANT: Lipschutz, Robert J.
APPLICANT: Lobban, Peter E.
APPLICANT: Morris, Macdonald S.
APPLICANT: Sheldon, Edward L.
TITLE OF INVENTION: Arrays of Nucleic Acid Probes on
TITLE OF INVENTION: Biological Chips
NUMBER OF SEQUENCES: 360
CORRESPONDENCE ADDRESS:

ADDRESSEE: Townsend and Townsend and Crew LLP
STREET: Two Embarcadero Center, 8th Floor
CITY: San Francisco
STATE: California
COUNTRY: USA
ZIP: 94111

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/441,887A
FILING DATE: 16-MAY-1995

CLASSIFICATION: 435

PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/143,312
FILING DATE: 26-OCT-1993

CLASSIFICATION: 435

PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/082,937
FILING DATE: 25-JUN-1993
ATTORNEY/AGENT INFORMATION:
NAME: Liebeschuetz, Joseph O.
REGISTRATION NUMBER: 37,505
REFERENCE/DOCKET NUMBER: 018547-004160US

TELECOMMUNICATION INFORMATION:

TELEPHONE: 650-326-2400
TELEFAX: 650-326-2422

INFORMATION FOR SEQ ID NO: 117:

SEQUENCE CHARACTERISTICS:
LENGTH: 13 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear

MOLECULE TYPE: DNA (probe)

US-08-441-887A-117

Query Match 7.2%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 52;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1402 TAAATTGTTA 1412
Db 3 TCAATTGTTA 13

RESULT 97

US-08-430-521-1
; Sequence 1, Application US/08430521
; Patent No. 5925516

GENERAL INFORMATION:

APPLICANT: BOTCHAN, MICHAEL R.
APPLICANT: CLARK, ROBIN
APPLICANT: MOHR, IAN J.
APPLICANT: SUN, SHAW
TITLE OF INVENTION: MEDICAMENTS FOR THE TREATMENT OF
TITLE OF INVENTION: PAPILLOMAVIRUS DISEASES
NUMBER OF SEQUENCES: 10
CORRESPONDENCE ADDRESS:

ADDRESSEE: REED & ROBINS
STREET: 285 HAMILTON AVENUE, SUITE 200
CITY: PALO ALTO
STATE: CALIFORNIA
COUNTRY: UNITED STATES OF AMERICA
ZIP: 94301

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/430,521
FILING DATE: 27-APR-1995

CLASSIFICATION: 435

PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/632,027
FILING DATE: 21-DEC-1990

ATTORNEY/AGENT INFORMATION:

NAME: MCCracken, THOMAS P.
REGISTRATION NUMBER: 38,548
REFERENCE/DOCKET NUMBER: 2300-0895.11
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 327-3400
TELEFAX: (415) 327-3231

INFORMATION FOR SEQ ID NO: 1:

SEQUENCE CHARACTERISTICS:
LENGTH: 13 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear

MOLECULE TYPE: DNA (genomic)

US-08-430-521-1

Query Match 7.2%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 52;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1355 AAAAATATTC 1365
Db 2 ATAAATATTC 12

RESULT 98

US-08-508-761B-13
; Sequence 13, Application US/08508761B
; Patent No. 6027920

GENERAL INFORMATION:

APPLICANT: Joliff, Gwennael
APPLICANT: Guyonvarch, Armel
APPLICANT: Purification, Relano
APPLICANT: Duchiron, Francis
APPLICANT: Renaud, Michel
TITLE OF INVENTION: System for Protein Expression and
TITLE OF INVENTION: Secretion Especially in Corynebacteria

NUMBER OF SEQUENCES: 37
CORRESPONDENCE ADDRESS:
ADDRESSEE: Jacobson, Price, Holman & Stern, PLLC
STREET: 400 Seventh St. N.W.
CITY: Washington D.C.
COUNTRY: U.S.A.
ZIP: 20004
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/508,761B
FILING DATE: 31-JUL-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: FR 91/09652
FILING DATE: 29-JUL-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: FR 91/09870
FILING DATE: 02-AUG-1991
ATTORNEY/AGENT INFORMATION:
NAME: Player, William E.
REGISTRATION NUMBER: 31,409
REFERENCE/DOCKET NUMBER: P58525NA
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 638-6666
TELEFAX: (202) 393-5350
INFORMATION FOR SEQ ID NO: 13:
SEQUENCE CHARACTERISTICS:
LENGTH: 13 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
HYPOTHETICAL: NO
ANTI-SENSE: NO
ORIGINAL SOURCE:
ORGANISM: Corynebacterium Melassecola
US-08-508-761B-13

Query Match 7.2%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 52;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1394 AAAGGAGGTAA 1404
|||||
Db 1 AAAGGAGGTGA 11

RESULT 99
US-08-676-818-25
Sequence 25, Application US/08676818
Patent No. 6057136
GENERAL INFORMATION:
APPLICANT: Bower, Stanley Grant
APPLICANT: Perkins, John B.
APPLICANT: Yocum, R. Rogers
APPLICANT: Pero, Janice G.
TITLE OF INVENTION: BIOTIN BIOSYNTHESIS IN BACILLUS
TITLE OF INVENTION: SUBTILIS
NUMBER OF SEQUENCES: 25
CORRESPONDENCE ADDRESS:
ADDRESSEE: Fish & Richardson P.C.
STREET: 225 Franklin Street
CITY: Boston
STATE: Massachusetts
COUNTRY: U.S.A.
ZIP: 02110-2804
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
COMPUTER: IBM PS/2 Model 502 or 55SX
OPERATING SYSTEM: MS-DOS (Version 5.0)

SOFTWARE: WordPerfect (Version 5.1)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/676,818
FILING DATE: 08-JUL-1996
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/239,430
FILING DATE: May 6, 1994
APPLICATION NUMBER: 08/084,709
FILING DATE: June 25, 1993
ATTORNEY/AGENT INFORMATION:
NAME: Freeman, John W.
REGISTRATION NUMBER: 29,066
REFERENCE/DOCKET NUMBER: 04599/004001
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 542-5070
TELEFAX: (617) 542-8906
TELEX: 200154
INFORMATION FOR SEQ ID NO: 25:
SEQUENCE CHARACTERISTICS:
LENGTH: 13 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA
US-08-676-818-25
Query Match 7.2%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 52;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1394 AAAGGAGGTAA 1404
|||||
Db 3 AAAGGAGGTGA 13
RESULT 100
US-09-407-549-25
Sequence 25, Application US/09407549
Patent No. 6303377
GENERAL INFORMATION:
APPLICANT: Bower, Stanley Grant
APPLICANT: Perkins, John B.
APPLICANT: Yocum, R. Rogers
APPLICANT: Pero, Janice G.
TITLE OF INVENTION: BIOTIN BIOSYNTHESIS IN BACILLUS
TITLE OF INVENTION: SUBTILIS
NUMBER OF SEQUENCES: 25
CORRESPONDENCE ADDRESS:
ADDRESSEE: Fish & Richardson P.C.
STREET: 225 Franklin Street
CITY: Boston
STATE: Massachusetts
COUNTRY: U.S.A.
ZIP: 02110-2804
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
COMPUTER: IBM PS/2 Model 502 or 55SX
OPERATING SYSTEM: MS-DOS (Version 5.0)
SOFTWARE: WordPerfect (Version 5.1)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/407,549
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/239,430
FILING DATE: May 6, 1994
APPLICATION NUMBER: 08/084,709
FILING DATE: June 25, 1993
ATTORNEY/AGENT INFORMATION:
NAME: Freeman, John W.
REGISTRATION NUMBER: 29,066
REFERENCE/DOCKET NUMBER: 04599/004001


```

; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 542-5070
; TELEFAX: (617) 542-8906
; TELEX: 200154
; INFORMATION FOR SEQ ID NO: 25:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 13 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA
; US-09-407-549-25
;
; Query Match 7.2%; Score 9.4; DB 1; Length 13;
; Best Local Similarity 90.9%; Pred. No. 52;
; Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
;
; QY 1394 AAAGGAGGTAA 1404
; |||||
; Db 3 AAAGGAGGTGA 13
;
; RESULT 101
; PCT-US91-03680-108/c
; Sequence 108, Application PC/TUS9103680
; GENERAL INFORMATION:
; APPLICANT: Matteucci, Mark D.
; APPLICANT: Krawczyk, Steven
; TITLE OF INVENTION: SEQUENCE-SPECIFIC NONPHOTOACTIVATED
; TITLE OF INVENTION: CROSSLINKING AGENTS WHICH BIND TO THE MAJOR GROOVE OF
; TITLE OF INVENTION: DUPLEX DNA
; NUMBER OF SEQUENCES: 158
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Morrison & Foerster
; STREET: 545 Middlefield Road, Suite 200
; CITY: Menlo Park
; STATE: California
; COUNTRY: USA
; ZIP: 94025
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US91/03680
; FILING DATE: 19910524
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Murashige, Kate H.
; REGISTRATION NUMBER: 29,959
; REFERENCE/DOCKET NUMBER: 4610-0011.40
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415-327-7250
; TELEFAX: 415-327-2951
; TELEX: 706141
; INFORMATION FOR SEQ ID NO: 108:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 12 base pairs
; TYPE: NUCLEIC ACID
; STRANDEDNESS: single
; TOPOLOGY: linear
; FEATURE:
; NAME/KEY: modified_base
; LOCATION: 1
; OTHER INFORMATION: /mod_base= OTHER
; OTHER INFORMATION:
; FEATURE:
; NAME/KEY: modified_base
; LOCATION: 3
; OTHER INFORMATION: /mod_base= OTHER
; OTHER INFORMATION:
; FEATURE:

```

```

; NAME/KEY: modified_base
; LOCATION: 6
; OTHER INFORMATION: /mod_base= OTHER
; OTHER INFORMATION:
; FEATURE:
; NAME/KEY: modified_base
; LOCATION: 9
; OTHER INFORMATION: /mod_base= OTHER
; OTHER INFORMATION:
; FEATURE:
; NAME/KEY: modified_base
; LOCATION: 12
; OTHER INFORMATION: /mod_base= OTHER
; OTHER INFORMATION: /note= "(N-methyl-8-oxo-2'-deoxyadenine
; OTHER INFORMATION: (nucleotides that have xylose sugar linked
; OTHER INFORMATION: via the o-xylene ring)"
; PCT-US91-03680-108
;
; Query Match 7.1%; Score 9.2; DB 1; Length 12;
; Best Local Similarity 66.7%; Pred. No. 53;
; Matches 8; Conservative 3; Mismatches 1; Indels 0; Gaps 0;
;
; QY 1351 GAAGAAAATAT 1362
; |||:|:|:|:|
; Db 12 GAAGAAGAAGAK 1
;
; Search completed: April 7, 2004, 07:04:52
; Job time : 1 secs

```

US-10-257-017B-101129/c
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 95980
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0023864
US-10-257-017B-95980

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1407 TTGTTAATGATG 1418
Db 12 TTGTTTATGATG 1

RESULT 448
US-10-257-017B-101129/c
; Sequence 101129, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 101129
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0025162
US-10-257-017B-101129

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1434 CAGACATATACA 1445
Db 12 CAAACATATACA 1

RESULT 449
US-10-257-017B-101130
; Sequence 101130, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 101130
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0025162

US-10-257-017B-101130

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1434 CAGACATATACA 1445
Db 2 CAAACATATACA 13

RESULT 450
US-10-257-017B-110669
; Sequence 110669, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 110669
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0027619
US-10-257-017B-110669

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1406 ATTGTTAATGAT 1417
Db 2 ATTGTTGATGAT 13

RESULT 451
US-10-257-017B-110670/c
; Sequence 110670, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 110670
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0027619
US-10-257-017B-110670

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1406 ATTGTTAATGAT 1417
Db 12 ATTGTTGATGAT 1

```
QY      1434 CAGACATATACA 1445
Db      13 CACATATACA 2

RESULT 443
US-10-257-017B-89812
; Sequence 89812, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 89812
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0022510
US-10-257-017B-89812

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      1434 CAGACATATACA 1445
Db      1 CACATATACA 12

RESULT 444
US-10-257-017B-91971/c
; Sequence 91971, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 91971
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0023002
US-10-257-017B-91971

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      1355 AAAAATATTCCA 1366
Db      12 AAAAATATTCAA 1

RESULT 445
US-10-257-017B-91972
; Sequence 91972, Application US/10257017B
```

```
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 91972
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0023002
US-10-257-017B-91972

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      1355 AAAAATATTCCA 1366
Db      2 AAAAATATTCAA 13

RESULT 446
US-10-257-017B-95979
; Sequence 95979, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 95979
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0023864
US-10-257-017B-95979

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      1407 TTGTTAATGATG 1418
Db      2 TTGTTAATGATG 13

RESULT 447
US-10-257-017B-95980/c
; Sequence 95980, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
```

; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 79875
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0020278
US-10-257-017B-79875

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1402 TAAAAATTGTTAA 1413
|||||
Db 13 TAAAAATTC TTAA 2

RESULT 439
US-10-257-017B-79876
; Sequence 79876, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 79876
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0020278
US-10-257-017B-79876

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1402 TAAAAATTGTTAA 1413
|||||
Db 1 TAAAAATTC TTAA 12

RESULT 440
US-10-257-017B-81585
; Sequence 81585, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 81585
; LENGTH: 13

; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0020645
US-10-257-017B-81585

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1402 TAAAAATTGTTAA 1413
|||||
Db 2 TAAAAATTTT TAA 13

RESULT 441
US-10-257-017B-81586/c
; Sequence 81586, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 81586
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0020645
US-10-257-017B-81586

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1402 TAAAAATTGTTAA 1413
|||||
Db 12 TAAAAATTTT TAA 1

RESULT 442
US-10-257-017B-89811/c
; Sequence 89811, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 89811
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0022510
US-10-257-017B-89811

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1394 AAAGGAGGTAAA 1405
| | | | | | | | | |
Db 13 AAAGGAGATAAA 2

RESULT 434

US-10-257-017B-75919
; Sequence 75919, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 75919
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0019454
US-10-257-017B-75919

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1450 AGATGGGTTGAT 1461
| | | | | | | | | |
Db 1 AAATGGGTTGAT 12

RESULT 435

US-10-257-017B-75920/c
; Sequence 75920, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 75920
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0019454
US-10-257-017B-75920

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1450 AGATGGGTTGAT 1461
| | | | | | | | | |
Db 13 AAATGGGTTGAT 2

RESULT 436

US-10-257-017B-77735
; Sequence 77735, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 77735
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0019794
US-10-257-017B-77735

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1406 ATTGTTAATGAT 1417
| | | | | | | | | |
Db 2 ATTATTAAATGAT 13

RESULT 437

US-10-257-017B-77736/c
; Sequence 77736, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 77736
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0019794
US-10-257-017B-77736

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1406 ATTGTTAATGAT 1417
| | | | | | | | | |
Db 12 ATTATTAAATGAT 1

RESULT 438

US-10-257-017B-79875/c
; Sequence 79875, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine

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; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 62608
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0016595
US-10-257-017B-62608

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1447 GGAAGATGGGTT 1458
Db 13 GGAAGGTGGGTT 2

RESULT 430
US-10-257-017B-64543
; Sequence 64543, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 64543
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0017022
US-10-257-017B-64543

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1448 GAAGATGGGTTG 1459
Db 2 GAGGATGGGTTG 13

RESULT 431
US-10-257-017B-64544/c
; Sequence 64544, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
```

```
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 64544
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0017022
US-10-257-017B-64544

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1448 GAAGATGGGTTG 1459
Db 12 GAGGATGGGTTG 1

RESULT 432
US-10-257-017B-75287
; Sequence 75287, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosir
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 75287
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0019324
US-10-257-017B-75287

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1394 AAAGGAGGTAAA 1405
Db 1 AAAGGAGATAAA 12

RESULT 433
US-10-257-017B-75288/c
; Sequence 75288, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosir
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 75288
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0019324
US-10-257-017B-75288
```

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; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0015625
US-10-257-017B-58211

```

Query Match	8.0%;	Score 10.4;	DB 1;	Length 13;
Best Local Similarity	91.7%;	Pred. No. 8.4e+02;		
Matches 11;	Conservative	0;	Mismatches 1;	Indels 0;
				Gaps 0;

QY	1360	TATTCACGCAT	1371
Db	13	TACTCCACGCAT	2

RESULT 425
US-10-257-017B-58212
; Sequence 58212, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 58212
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0015625
US-10-257-017B-58212

```

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11: Conservative 0; Mismatches 1; Indels 0; Gaps 0;

```

Qy	1360	TATTCCACGCAT	1371
Db	1	TACTCCACGCAT	12

```

RESULT 426
US-10-017B-58981
; Sequence 58981, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 58981
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0015803
US-10-017B-58981

```

Query Match	8.0%;	Score 10.4;	DB 1;	Length 13;
Best Local Similarity	91.7%;	Pred. No. 8.4e+02;		
Matches 11;	Conservative	0;	Mismatches 1;	Indels 0;
Gaps 0;				

```

QY      1349  GGGAAGAAAAAT 1360
      ||||| |||||
Db      1  GGGAAGAAAAAT 12

RESULT 427
US-10-257-017B-58982/c
; Sequence 58982, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Bezzin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 58982
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0015803
US-10-257-017B-58982

```

Query Match	8.0%	Score 10.4;	DB 1;	Length 13;
Best Local Similarity	91.7%	Pred. No. 8.4e+02;		
Matches 11;	Conservative	0;	Mismatches 1;	Indels 0;
				Gaps 0;

Qy 1349 GGGAAGAAAAAT 1360
|||||
Db 13 GGGAAGAAAAAT 2

```

RESULT 428
US-10-257-017B-62607
; Sequence 62607, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 62607
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0016595
US-10-257-017B-62607

```

Query Match	8.0%;	Score 10.4;	DB 1;	Length 13;
Best Local Similarity	91.7%;	Pred. No. 8.4e+02;		
Matches 11: Conservative	0;	Mismatches 1;	Indels 0;	Gaps 0;

Qy	1447	GGAAGATGGGTT	1458
Db	1	GGAAGGTGGGTT	12

RESULT 429
US-10-257-017B-62608/c
; Sequence 62608, Application US/10257017B
; GENERAL INFORMATION:

```
RESULT 420
US-10-257-017B-56443/c
; Sequence 56443, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 56443
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0015305
US-10-257-017B-56443

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1355 AAAAATATTCCA 1366
Db 12 AAAAATATCCCA 1

RESULT 421
US-10-257-017B-56444
; Sequence 56444, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 56444
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0015305
US-10-257-017B-56444

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1355 AAAAATATTCCA 1366
Db 2 AAAAATATCCCA 13

RESULT 422
US-10-257-017B-56677
; Sequence 56677, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE OF INVENTION: methylations
```

```
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 56677
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0015363
US-10-257-017B-56677

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1406 ATTGTTAATGAT 1417
Db 1 ATTGTTAATTAT 12

RESULT 423
US-10-257-017B-56678/c
; Sequence 56678, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 56678
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0015363
US-10-257-017B-56678

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1406 ATTGTTAATGAT 1417
Db 13 ATTGTTAATTAT 2

RESULT 424
US-10-257-017B-58211/c
; Sequence 58211, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 58211
; LENGTH: 13
; TYPE: DNA
```



```
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 49464
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0013987
US-10-257-017B-49464

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1407 TTGTTAATGATG 1418
Db 12 TTGTTATTGATG 1

RESULT 416
US-10-257-017B-52751
; Sequence 52751, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 52751
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0014606
US-10-257-017B-52751

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1442 TACATGGAAGAT 1453
Db 1 TAAATGGAAGAT 12

RESULT 417
US-10-257-017B-52752/c
; Sequence 52752, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 52752
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0014606
US-10-257-017B-52752
```

```
Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1442 TACATGGAAGAT 1453
Db 13 TAAATGGAAGAT 2

RESULT 418
US-10-257-017B-54077/c
; Sequence 54077, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 54077
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0014866
US-10-257-017B-54077

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1355 AAAAATATTCCA 1366
Db 12 AAAAATATTCCA 1

RESULT 419
US-10-257-017B-54078
; Sequence 54078, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 54078
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0014866
US-10-257-017B-54078

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1355 AAAAATATTCCA 1366
Db 2 AAAAATATTCCA 13
```



```
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 42369
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0012640
US-10-257-017B-42369

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1385 CTTCTGATCAAA 1396
Db 12 CTTCTTATCAAA 1

RESULT 407
US-10-257-017B-42370
; Sequence 42370, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 42370
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0012640
US-10-257-017B-42370

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1385 CTTCTGATCAAA 1396
Db 2 CTTCTTATCAAA 13

RESULT 408
US-10-257-017B-44421
; Sequence 44421, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 44421
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
```

```
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0013036
US-10-257-017B-44421

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1403 AAAATTGTTAAT 1414
Db 1 AAAATTGTTTAT 12

RESULT 409
US-10-257-017B-44422/c
; Sequence 44422, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 44422
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0013036
US-10-257-017B-44422

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1403 AAAATTGTTAAT 1414
Db 13 AAAATTGTTTAT 2

RESULT 410
US-10-257-017B-48807
; Sequence 48807, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 48807
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0013866
US-10-257-017B-48807

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1403 AAAATTGTTAAT 1414
```

```
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1352 AAGAAAAAATATT 1363
Db 13 AAAAAAAATATT 2

RESULT 402
US-10-257-017B-41115
; Sequence 41115, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 41115
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0012387
US-10-257-017B-41115

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1439 ATATACATGGAA 1450
Db 1 ATATAGATGGAA 12

RESULT 403
US-10-257-017B-41116/c
; Sequence 41116, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 41116
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0012387
US-10-257-017B-41116

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1439 ATATACATGGAA 1450
Db 13 ATATAGATGGAA 2

RESULT 404
```

```
US-10-257-017B-42367/c
; Sequence 42367, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 42367
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0012640
US-10-257-017B-42367

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1385 CTTCTGATCAAA 1396
Db 12 CTTCTCATCAAA 1

RESULT 405
US-10-257-017B-42368
; Sequence 42368, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 42368
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0012640
US-10-257-017B-42368

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1385 CTTCTGATCAAA 1396
Db 2 CTTCTCATCAAA 13

RESULT 406
US-10-257-017B-42369/c
; Sequence 42369, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
```



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; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 39576
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0012093
US-10-257-017B-39576

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1403 AAAATTGTTAAT 1414
Db 13 AAAATTGTTAAT 2

RESULT 398
US-10-257-017B-40809
; Sequence 40809, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 40809
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0012339
US-10-257-017B-40809

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1347 AGGGGAAGAAAA 1358
Db 2 AGGGGAAGAAAA 13

RESULT 399
US-10-257-017B-40810/c
; Sequence 40810, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
```

```
; SEQ ID NO 40810
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0012339
US-10-257-017B-40810

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1347 AGGGGAAGAAAA 1358
Db 12 AGGGGAAGAAAA 1

RESULT 400
US-10-257-017B-41013
; Sequence 41013, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 41013
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0012376
US-10-257-017B-41013

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1352 AAGAAAAATATT 1363
Db 1 AAGAAAAATATT 12

RESULT 401
US-10-257-017B-41014/c
; Sequence 41014, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 41014
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0012376
US-10-257-017B-41014

Query Match      8.0%; Score 10.4; DB 1; Length 13;
```

; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0010636
US-10-257-017B-33447

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1398 GAGGTAAATTG 1409
|||||
Db 1 GAGGTAAGATTG 12

RESULT 393
US-10-257-017B-33448/c
; Sequence 33448, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 33448
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0010636
US-10-257-017B-33448

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1398 GAGGTAAATTG 1409
|||||
Db 13 GAGGTAAGATTG 2

RESULT 394
US-10-257-017B-36071
; Sequence 36071, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 36071
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0011349
US-10-257-017B-36071

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1402 TAAATTTGTTAA 1413
|||||

Db 1 TAAATTTGTTTA 12

RESULT 395
US-10-257-017B-36072/c
; Sequence 36072, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 36072
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0011349
US-10-257-017B-36072

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1402 TAAATTTGTTAA 1413
|||||
Db 13 TAAATTTGTTTA 2

RESULT 396
US-10-257-017B-39575
; Sequence 39575, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 39575
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0012093
US-10-257-017B-39575

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1403 AAAATTTGTTAA 1414
|||||
Db 1 AAAATTTGTTAA 12

RESULT 397
US-10-257-017B-39576/c
; Sequence 39576, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock

```
; Sequence 32553, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 32553
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0010157
US-10-257-017B-32553
```

```
Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
```

```
QY 1351 GAAGAAAAATAT 1362
      |||||
Db 2 GAAGAAAAGTAT 13
```

RESULT 389

```
US-10-257-017B-32554/c
; Sequence 32554, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 32554
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0010157
US-10-257-017B-32554
```

```
Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
```

```
QY 1351 GAAGAAAAATAT 1362
      |||||
Db 12 GAAGAAAAGTAT 1
```

RESULT 390

```
US-10-257-017B-32991
; Sequence 32991, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
```

```
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 32991
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0010460
US-10-257-017B-32991
```

```
Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
```

```
QY 1404 AAATTGTTAATG 1415
      |||||
Db 2 AGATTGTTAATG 13
```

RESULT 391

```
US-10-257-017B-32992/c
; Sequence 32992, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 32992
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0010460
US-10-257-017B-32992
```

```
Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
```

```
QY 1404 AAATTGTTAATG 1415
      |||||
Db 12 AGATTGTTAATG 1
```

RESULT 392

```
US-10-257-017B-33447
; Sequence 33447, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 33447
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
```

```
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0004976
US-10-257-017B-23470

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1355 AAAAAATATCCCA 1366
Db 2 AAAAAATATCCCA 13

RESULT 384
US-10-257-017B-27571/c
; Sequence 27571, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 27571
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0007678
US-10-257-017B-27571

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1435 AGACATATACAT 1446
Db 13 AAACATATACAT 2

RESULT 385
US-10-257-017B-27572
; Sequence 27572, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 27572
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0007678
US-10-257-017B-27572

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
```

```
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1435 AGACATATACAT 1446
Db 1 AAACATATACAT 12

RESULT 386
US-10-257-017B-27835
; Sequence 27835, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 27835
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0007837
US-10-257-017B-27835

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1401 GTAAAATTGTTA 1412
Db 1 GTAAAATTGTTA 12

RESULT 387
US-10-257-017B-27836/c
; Sequence 27836, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 27836
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0007837
US-10-257-017B-27836

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1401 GTAAAATTGTTA 1412
Db 13 GTAAAATTGTTA 2

RESULT 388
US-10-257-017B-32553
```



```

; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 20186
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0004139
US-10-257-017B-20186

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      1460 ATCAAGCAAATA 1471
      ||||| |||||
Db      1 ATCAACAAATA 12

RESULT 379
US-10-257-017B-20130/c
; Sequence 20130, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 20130
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0004129
US-10-257-017B-20130

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      1405 AATTGTTAATGA 1416
      ||||| ||||| ||
Db      13 AATTGTTAAGGA 2

RESULT 380
US-10-257-017B-20185/c
; Sequence 20185, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 20185
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0004139
US-10-257-017B-20185

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      1460 ATCAAGCAAATA 1471
      ||||| |||||
Db      13 ATCAACAAATA 2

RESULT 381
US-10-257-017B-20186
; Sequence 20186, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 23470
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0004976
US-10-257-017B-23469

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      1355 AAAAATATTCCA 1366
      ||||| ||||| |||
Db      12 AAAAATATCCCA 1

RESULT 383
US-10-257-017B-23470
; Sequence 23470, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 23470
```

```
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 13621
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0003139
US-10-257-017B-13621
```

```
Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
```

```
QY 1356 AAAATATTCCAC 1367
      |||||
Db 12 AAAATATTCAAC 1
```

RESULT 375

```
US-10-257-017B-13622
; Sequence 13622, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 13622
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0003139
US-10-257-017B-13622
```

```
Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
```

```
QY 1356 AAAATATTCCAC 1367
      |||||
Db 2 AAAATATTCAAC 13
```

RESULT 376

```
US-10-257-017B-15937/c
; Sequence 15937, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 15937
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0003511
```

```
US-10-257-017B-15937
```

```
Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
```

```
QY 1355 AAAAATATTCCA 1366
      |||||
Db 12 ACAAATATTCCA 1
```

RESULT 377

```
US-10-257-017B-15938
; Sequence 15938, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 15938
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0003511
US-10-257-017B-15938
```

```
Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
```

```
QY 1355 AAAAATATTCCA 1366
      |||||
Db 2 ACAAATATTCCA 13
```

RESULT 378

```
US-10-257-017B-20129
; Sequence 20129, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 20129
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0004129
US-10-257-017B-20129
```

```
Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
```

```
QY 1405 AATTGTTAATGA 1416
      |||||
Db 1 AATTGTTAAGGA 12
```

```
QY      1402 TAAAAATTGTTAA 1413
Db      12  TAAATATTGTTAA 1
;
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 10539
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC00002658
US-10-257-017B-10539
```

```
Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
```

```
QY      1352 AAGAAAAAATATT 1363
Db      1  AAGAAGAATATT 12
;
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 10540
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC00002658
US-10-257-017B-10540
```

```
Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
```

```
QY      1352 AAGAAAAAATATT 1363
Db      13  AAGAAGAATATT 2
;
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
```

```
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 11541
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC00002802
US-10-257-017B-11541
```

```
Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
```

```
QY      1355 AAAAAATATTCCA 1366
Db      12  AAAAAATATACCA 1
;
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 11542
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC00002802
US-10-257-017B-11542
```

```
RESULT 373
US-10-257-017B-11542
; Sequence 11542, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 11542
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC00002802
US-10-257-017B-11542
```

```
Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
```

```
QY      1355 AAAAAATATTCCA 1366
Db      2  AAAAAATATACCA 13
;
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
```

```
RESULT 374
US-10-257-017B-13621/c
; Sequence 13621, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
```

```
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 3648
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0001395
US-10-257-017B-3648
```

```
Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
```

```
QY 1352 AAGAAAAATATT 1363
Db 12 AAGATAATATT 1
```

```
RESULT 366
US-10-257-017B-6923
; Sequence 6923, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 6923
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0002071
US-10-257-017B-6923
```

```
Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
```

```
QY 1403 AAAATTGTTAAT 1414
Db 2 AAAATTGTTATT 13
```

```
RESULT 367
US-10-257-017B-6924/c
; Sequence 6924, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 6924
; LENGTH: 13
```

```
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0002071
US-10-257-017B-6924
```

```
Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
```

```
QY 1403 AAAATTGTTAAT 1414
Db 12 AAAATTGTTATT 1
```

```
RESULT 368
US-10-257-017B-10319
; Sequence 10319, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 10319
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0002624
US-10-257-017B-10319
```

```
Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
```

```
QY 1402 TAAAAATTGTAA 1413
Db 2 TAATATTGTAA 13
```

```
RESULT 369
US-10-257-017B-10320/c
; Sequence 10320, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 10320
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0002624
US-10-257-017B-10320
```

```
Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
```


Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1352 AAGAAAAAATATT 1363
||| |||||
Db 12 AAAAAAAATATT 1

RESULT 361
US-10-257-017B-3642
; Sequence 3642, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 3642
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0001395
US-10-257-017B-3642

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1352 AAGAAAAAATATT 1363
||| |||||
Db 2 AAAAAAAATATT 13

RESULT 362
US-10-257-017B-3645
; Sequence 3645, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 3645
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0001395
US-10-257-017B-3645

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1352 AAGAAAAAATATT 1363
||| |||||
Db 2 AAGAGAATATT 13

RESULT 363
US-10-257-017B-3646/c
; Sequence 3646, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 3646
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0001395
US-10-257-017B-3646

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1352 AAGAAAAAATATT 1363
||| |||||
Db 12 AAGAGAATATT 1

RESULT 364
US-10-257-017B-3647
; Sequence 3647, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 3647
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0001395
US-10-257-017B-3647

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1352 AAGAAAAAATATT 1363
||| |||||
Db 2 AAGAGAATATT 13

RESULT 365
US-10-257-017B-3648/c
; Sequence 3648, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine

```
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 1275
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC00000435
US-10-257-017B-1275

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1400 GGTAATAATTGTT 1411
Db 1 GGTAATAATTTT 12

RESULT 357
US-10-257-017B-1276/c
; Sequence 1276, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 1276
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC00000435
US-10-257-017B-1276

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1400 GGTAATAATTGTT 1411
Db 13 GGTAATAATTTT 2

RESULT 358
US-10-257-017B-3261
; Sequence 3261, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 1276
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC00000435
US-10-257-017B-1276
```

```
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 3261
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC00001237
US-10-257-017B-3261

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1401 GTAAATTTGTTA 1412
Db 1 GTAAATTTGTTA 12

RESULT 359
US-10-257-017B-3262/c
; Sequence 3262, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 3262
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC00001237
US-10-257-017B-3262

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1401 GTAAATTTGTTA 1412
Db 13 GTAAATTTGTTA 2

RESULT 360
US-10-257-017B-3641/c
; Sequence 3641, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 3641
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC00001395
US-10-257-017B-3641
```

```
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0008405
US-10-257-017B-379142

Query Match      8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 9.2e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1460 ATCAAGCAAAATA 1471
Db 1 ATCAATCAAAATA 12

RESULT 352
US-10-257-017B-379867/c
; Sequence 379867, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 379867
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0009746
US-10-257-017B-379867

Query Match      8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 9.2e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1352 AAGAAATAATT 1363
Db 12 AAGGAAATAATT 1

RESULT 353
US-10-257-017B-380141/c
; Sequence 380141, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 380141
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0063658
US-10-257-017B-380141

Query Match      8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 9.2e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
```

```
QY 1355 AAAAAATATTCCA 1366
Db 12 AAAAAATATTCCA 1

RESULT 354
US-10-257-017B-381455/c
; Sequence 381455, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 381455
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0064373
US-10-257-017B-381455

Query Match      8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 9.2e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1347 AGGGAAGAAAA 1358
Db 12 AGGGAATAAAAA 1

RESULT 355
US-10-257-017B-381597/c
; Sequence 381597, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 381597
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0064452
US-10-257-017B-381597

Query Match      8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 9.2e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1403 AAAATTGTTAAT 1414
Db 12 AAAATTGTTGAT 1

RESULT 356
US-10-257-017B-1275
; Sequence 1275, Application US/10257017B
; GENERAL INFORMATION:
```

```
RESULT 347
US-10-257-017B-373223/c
; Sequence 373223, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 373223
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0059916
US-10-257-017B-373223

Query Match      8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 9.2e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1407 TTGTTAATGATG 1418
|| |||||
Db 12 TTTTAATGATG 1

RESULT 348
US-10-257-017B-373309/c
; Sequence 373309, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 373309
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0059967
US-10-257-017B-373309

Query Match      8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 9.2e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1348 GGGGAAGAAAAA 1359
|| |||||
Db 12 GGAGAAGAAAAA 1

RESULT 349
US-10-257-017B-376709
; Sequence 376709, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
```

```
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 376709
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0061943
US-10-257-017B-376709
```

```
Query Match      8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 9.2e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
```

```
Qy 1352 AAGAAAAATATT 1363
|| |||||
Db 1 AAGAAAAATATT 12
```

RESULT 350

```
US-10-257-017B-377842/c
; Sequence 377842, Application US/10257017B
; GENERAL INFORMATION:
```

```
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 377842
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0062519
US-10-257-017B-377842
```

```
Query Match      8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 9.2e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
```

```
Qy 1353 AGAAAAATATTC 1364
|| |||||
Db 12 ATAAAAATATTC 1
```

RESULT 351

```
US-10-257-017B-379142
; Sequence 379142, Application US/10257017B
; GENERAL INFORMATION:
```

```
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 379142
; LENGTH: 12
; TYPE: DNA
```



```

; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 368493
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP
US-10-257-017B-368493
TSC0057051

```

Query Match	8.0%;	Score 10.4;	DB 1;	Length 12;
Best Local Similarity	91.7%;	Pred. No. 9.2e+02;		
Matches 11; Conservative	0;	Mismatches 1;	Indels 0;	Gaps 0;

QY 1352 AAGAAAAATATT 1363
 |||||
Db 12 AAGAAAAATTTT 1

RESULT 343
US-10-257-017B-370403
; Sequence 370403, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 370403
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0058162
US-10-257-017B-370403

Query Match 8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 9.2e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1400 GGTAAATTGTT 1411
Db 1 GATAAAATTGTT 12

```

RESULT 344
US-10-257-017B-371943
; Sequence 371943, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 371943
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0059077
US-10-257-017B-371943

```

Query Match	8.0%;	Score 10.4;	DB 1;	Length 12;
Best Local Similarity	91.7%;	Pred. No. 9.2e+02;		
Matches 11;	Conservative	0;	Mismatches 1;	Indels 0;
				Gaps 0;

Qy 1352 AAGAAAAATATT 1363
||| ||| ||| |||
Db 1 AAGATAAATATT 12

```

RESULT 345
US-10-257-017B-371972/c
; Sequence 371972, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 371972
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0059093
US-10-257-017B-371972

```

Query Match	8.0%;	Score 10.4;	DB 1;	Length 12;
Best Local Similarity	91.7%;	Pred. No. 9.2e+02;		
Matches 11; Conservative	0;	Mismatches 1;	Indels 0;	Gaps 0;

QY 1450 AGATGGGTTGAT 1461
|||
Db 12 AGGTGGGTTGAT 1

```

RESULT 346
US-10-257-017B-373070/c
; Sequence 373070, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 373070
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0059827
US-10-257-017B-373070

```

Query Match	8.0%;	Score 10.4;	DB 1;	Length 12;
Best Local Similarity	91.7%;	Pred. No. 9.2e+02;		
Matches 11; Conservative	0;	Mismatches 1;	Indels 0;	Gaps 0;

Qy 1402 TAAATTGTTAA 1413
||| ||| ||| ||| |||
Db 12 TAAATGGTTAA 1


```
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 361414
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0010489
US-10-257-017B-361414

Query Match      8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 9.2e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      1440 TATACATGGAAG 1451
Db      1 TATACGTGGAAG 12

RESULT 334
US-10-257-017B-361641
; Sequence 361641, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 361641
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0052741
US-10-257-017B-361641

Query Match      8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 9.2e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      1403 AAAATTGTTAAT 1414
Db      1 AAAATAGTTAAT 12

RESULT 335
US-10-257-017B-361893/c
; Sequence 361893, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 361893
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
```

```
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0052937
US-10-257-017B-361893

Query Match      8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 9.2e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      1406 ATTGTTAATGAT 1417
Db      12 ATTGTTATTGAT 1

RESULT 336
US-10-257-017B-362270/c
; Sequence 362270, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 362270
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0053115
US-10-257-017B-362270

Query Match      8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 9.2e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      1402 TAAAAATTGTTAA 1413
Db      12 TAAAAATAGTTAA 1

RESULT 337
US-10-257-017B-363295/c
; Sequence 363295, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 363295
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0053756
US-10-257-017B-363295

Query Match      8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 9.2e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      1398 GAGGTAATAATTG 1409
```

```
Best Local Similarity 91.7%; Pred. No. 9.2e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1407 TTGTTAATGATG 1418
Db 1 TTTTAATGATG 12

RESULT 329
US-10-257-017B-358602/c
; Sequence 358602, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 358602
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0051203
US-10-257-017B-358602

Query Match 8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 9.2e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1355 AAAAATATTCCA 1366
Db 12 AAAAATATTCTA 1

RESULT 330
US-10-257-017B-358612
; Sequence 358612, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 358612
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonukleotid-Primer
US-10-257-017B-358612

Query Match 8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 9.2e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1408 TGTTAATGATGA 1419
Db 1 TGTTAACGATGA 12

RESULT 331
```

```
US-10-257-017B-358739/c
; Sequence 358739, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 358739
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0051274
US-10-257-017B-358739

Query Match 8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 9.2e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1397 GGAGGTAAATT 1408
Db 12 GGAGGTAATATT 1

RESULT 332
US-10-257-017B-360773/c
; Sequence 360773, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 360773
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0052285
US-10-257-017B-360773

Query Match 8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 9.2e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1356 AAAATATTCCAC 1367
Db 12 AAAATATTTCAC 1

RESULT 333
US-10-257-017B-361414
; Sequence 361414, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
```



```
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 351735
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0010841
US-10-257-017B-351735

Query Match      8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 9.2e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1355 AAAAATATTCCA 1366
Db 12 AAAAAAATTCCA 1

RESULT 325
US-10-257-017B-352584
; Sequence 352584, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 352584
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0007996
US-10-257-017B-352584

Query Match      8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 9.2e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1403 AAAATTGTTAAT 1414
Db 1 AAAATTATTAAAT 12

RESULT 326
US-10-257-017B-352586
; Sequence 352586, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
```

```
; SEQ ID NO 352586
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0007996
US-10-257-017B-352586

Query Match      8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 9.2e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1403 AAAATTGTTAAT 1414
Db 1 AAAATTGTTGAT 12

RESULT 327
US-10-257-017B-354801/c
; Sequence 354801, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 354801
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0049303
US-10-257-017B-354801
```

```
Query Match      8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 9.2e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1399 AGGTAAATTTGT 1410
Db 12 AGGTAATATTGT 1

RESULT 328
US-10-257-017B-355488
; Sequence 355488, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 355488
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0049665
US-10-257-017B-355488

Query Match      8.0%; Score 10.4; DB 1; Length 12;
```

; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0043725
US-10-257-017B-34833

Query Match 8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 9.2e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1401 GTAAAAATTGTTA 1412
|||||
Db 12 GTAAAAATTTTA 1

RESULT 320

US-10-257-017B-347791
; Sequence 347791, Application US/10257017B

; GENERAL INFORMATION:

; APPLICANT: Alexander Olek

; APPLICANT: Christian Piepenbrock

; APPLICANT: Kurt Berlin

; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine

; TITLE OF INVENTION: methylations

; FILE REFERENCE: E01/1193/WO

; CURRENT APPLICATION NUMBER: US/10/257,017B

; CURRENT FILING DATE: 2002-10-07

; PRIOR APPLICATION NUMBER: DE 10019173.8

; PRIOR FILING DATE: 2000-04-07

; NUMBER OF SEQ ID NOS: 382046

; SEQ ID NO 347791

; LENGTH: 12

; TYPE: DNA

; ORGANISM: Artificial Sequence

; FEATURE:

; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0045257
US-10-257-017B-347791

Query Match 8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 9.2e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1397 GGAGTAAATT 1408
|
Db 1 GTAGTAAATT 12

RESULT 321

US-10-257-017B-348435

; Sequence 348435, Application US/10257017B

; GENERAL INFORMATION:

; APPLICANT: Alexander Olek

; APPLICANT: Christian Piepenbrock

; APPLICANT: Kurt Berlin

; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine

; TITLE OF INVENTION: methylations

; FILE REFERENCE: E01/1193/WO

; CURRENT APPLICATION NUMBER: US/10/257,017B

; CURRENT FILING DATE: 2002-10-07

; PRIOR APPLICATION NUMBER: DE 10019173.8

; PRIOR FILING DATE: 2000-04-07

; NUMBER OF SEQ ID NOS: 382046

; SEQ ID NO 348435

; LENGTH: 12

; TYPE: DNA

; ORGANISM: Artificial Sequence

; FEATURE:

; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0045594
US-10-257-017B-348435

Query Match 8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 9.2e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1358 AATATCCACGC 1369
|||||

Db 1 AATAATCCACGC 12

RESULT 322

US-10-257-017B-349432

; Sequence 349432, Application US/10257017B

; GENERAL INFORMATION:

; APPLICANT: Alexander Olek

; APPLICANT: Christian Piepenbrock

; APPLICANT: Kurt Berlin

; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine

; TITLE OF INVENTION: methylations

; FILE REFERENCE: E01/1193/WO

; CURRENT APPLICATION NUMBER: US/10/257,017B

; CURRENT FILING DATE: 2002-10-07

; PRIOR APPLICATION NUMBER: DE 10019173.8

; PRIOR FILING DATE: 2000-04-07

; NUMBER OF SEQ ID NOS: 382046

; SEQ ID NO 349432

; LENGTH: 12

; TYPE: DNA

; ORGANISM: Artificial Sequence

; FEATURE:

; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0046139
US-10-257-017B-349432

Query Match 8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 9.2e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1460 ATCAAGCAAATA 1471
|||||
Db 1 ATCAACCAAATA 12

RESULT 323

US-10-257-017B-351471/c

; Sequence 351471, Application US/10257017B

; GENERAL INFORMATION:

; APPLICANT: Alexander Olek

; APPLICANT: Christian Piepenbrock

; APPLICANT: Kurt Berlin

; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine

; TITLE OF INVENTION: methylations

; FILE REFERENCE: E01/1193/WO

; CURRENT APPLICATION NUMBER: US/10/257,017B

; CURRENT FILING DATE: 2002-10-07

; PRIOR APPLICATION NUMBER: DE 10019173.8

; PRIOR FILING DATE: 2000-04-07

; NUMBER OF SEQ ID NOS: 382046

; SEQ ID NO 351471

; LENGTH: 12

; TYPE: DNA

; ORGANISM: Artificial Sequence

; FEATURE:

; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0047337
US-10-257-017B-351471

Query Match 8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 9.2e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1434 CAGACATATACA 1445
|||
Db 12 CACACATATACA 1

RESULT 324

US-10-257-017B-351735/c

; Sequence 351735, Application US/10257017B

; GENERAL INFORMATION:

; APPLICANT: Alexander Olek

; APPLICANT: Christian Piepenbrock

```
; Sequence 343662, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 343662
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0043189
US-10-257-017B-343662

Query Match      8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 9.2e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1355 AAAAATATTCCA 1366
Db 12 AACAAATATTCCA 1

RESULT 316
US-10-257-017B-343856/c
; Sequence 343856, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 343856
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0005775
US-10-257-017B-343856

Query Match      8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 9.2e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1403 AAAATTGTTAAT 1414
Db 12 AAAATTGTTATT 1

RESULT 317
US-10-257-017B-343889
; Sequence 343889, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
```

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; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 343889
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0043288
US-10-257-017B-343889

Query Match      8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 9.2e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1356 AAAATATTCCAC 1367
Db 1 AAAATATTCCCTC 12

RESULT 318
US-10-257-017B-344120/c
; Sequence 344120, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 344120
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0043393
US-10-257-017B-344120

Query Match      8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 9.2e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1434 CAGACATATACA 1445
Db 12 CAAACATATACA 1

RESULT 319
US-10-257-017B-344833/c
; Sequence 344833, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 344833
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
```

```
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0040769
US-10-257-017B-338974

Query Match      8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 9.2e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1399 AGGTAAATTTGT 1410
Db 1 AGGTATAATTGT 12

RESULT 311
US-10-257-017B-339866
; Sequence 339866, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 339866
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0041224
US-10-257-017B-339866

Query Match      8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 9.2e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1403 AAAATTGTTAAT 1414
Db 1 AAAATTTTAAAT 12

RESULT 312
US-10-257-017B-339929
; Sequence 339929, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 339929
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0041267
US-10-257-017B-339929

Query Match      8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 9.2e+02;
```

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Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1399 AGGTAAATTTGT 1410
Db 1 AGGTAAATCGT 12

RESULT 313
US-10-257-017B-340058/c
; Sequence 340058, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 340058
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0041323
US-10-257-017B-340058

Query Match      8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 9.2e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1349 GGGAAGAAAAAT 1360
Db 12 GGTAGAAAAAT 1

RESULT 314
US-10-257-017B-343317
; Sequence 343317, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 343317
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0042993
US-10-257-017B-343317

Query Match      8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 9.2e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1355 AAAAATATTCCA 1366
Db 1 AAAAATATTCAA 12

RESULT 315
US-10-257-017B-343662/c
```



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; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 336856
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0039556
US-10-257-017B-336856

Query Match      8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 9.2e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1403 AAAATTGTTAAT 1414
Db 12 AAATTGTTAAT 1

RESULT 309
US-10-257-017B-338525
; Sequence 338525, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 338525
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0040532
US-10-257-017B-338525

Query Match      8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 9.2e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1447 GGAAGATGGGTT 1458
Db 1 GGAGGATGGGTT 12

RESULT 310
US-10-257-017B-338974
; Sequence 338974, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 338974

; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 338974

; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 338974

; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 336216
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0039252
US-10-257-017B-336216

Query Match      8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 9.2e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1355 AAAAATATTTCCA 1366
Db 12 AAAAACATTTCCA 1

RESULT 307
US-10-257-017B-336216
; Sequence 336216, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 336216
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0039252
US-10-257-017B-336216

Query Match      8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 9.2e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1355 AAAAATATTTCCA 1366
Db 1 AAAAATATTTCCA 12

RESULT 308
US-10-257-017B-336856/c
; Sequence 336856, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
```

; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 329173
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0034804
US-10-257-017B-329173

Query Match 8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 9.2e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1452 ATGGTTGATCA 1463
|||||
Db 12 ATGGTTGATAA 1

RESULT 302
US-10-257-017B-329460/c
; Sequence 329460, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 329460
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0034954
US-10-257-017B-329460

Query Match 8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 9.2e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1406 ATGTGTAATGAT 1417
|||||
Db 12 ATGTGTAAGAT 1

RESULT 303
US-10-257-017B-331329
; Sequence 331329, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 331329
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0036121

US-10-257-017B-331329

Query Match 8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 9.2e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1403 AAAATTGTTAAT 1414
|||||
Db 1 AAAATTGTGAAT 12

RESULT 304
US-10-257-017B-332453
; Sequence 332453, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 332453
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0036930
US-10-257-017B-332453

Query Match 8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 9.2e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1353 AGAAAAATATTC 1364
|||||
Db 1 AAAAAATATTC 12

RESULT 305
US-10-257-017B-333917/c
; Sequence 333917, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 333917
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0037828
US-10-257-017B-333917

Query Match 8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 9.2e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1402 TAAAAATTGTTAA 1413
|||||
Db 12 TATAATTGTAA 1

```
QY 1404 AAATTGTTAATG 1415
Db 1 AAATTGTTAAGG 12

RESULT 297
US-10-257-017B-327259
; Sequence 327259, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 327259
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0033525
US-10-257-017B-327259

Query Match 8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 9.2e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1399 AGGTAAATTTGT 1410
Db 1 AGGTAAATTTT 12

RESULT 298
US-10-257-017B-328388
; Sequence 328388, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 328388
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0034264
US-10-257-017B-328388

Query Match 8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 9.2e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1406 ATTGTTAATGAT 1417
Db 1 ATTGTTAATGAT 12

RESULT 299
US-10-257-017B-328759/c
; Sequence 328759, Application US/10257017B
```

```
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 328759
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0034536
US-10-257-017B-328759

Query Match 8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 9.2e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1352 AAGAAAAATATT 1363
Db 12 AATAAAATATT 1

RESULT 300
US-10-257-017B-328791
; Sequence 328791, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 328791
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0034566
US-10-257-017B-328791

Query Match 8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 9.2e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1356 AAAATATTCCAC 1367
Db 1 AAAATATTCCAC 12

RESULT 301
US-10-257-017B-329173/c
; Sequence 329173, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
```

```
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 321550
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0030321
US-10-257-017B-321550

Query Match      8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 9.2e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1351 GAAGAAAAATAT 1362
Db 1 GAAGAAAAATTT 12

RESULT 293
US-10-257-017B-323737/c
; Sequence 323737, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 323737
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0031578
US-10-257-017B-323737

Query Match      8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 9.2e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1449 AAGATGGGTGA 1460
Db 12 AAGTGGGTGA 1

RESULT 294
US-10-257-017B-324120/c
; Sequence 324120, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 324120
; LENGTH: 12
```

```
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0031811
US-10-257-017B-324120

Query Match      8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 9.2e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1396 AGGAGGTAAAT 1407
Db 12 AGGGGTAAAT 1

RESULT 295
US-10-257-017B-326640/c
; Sequence 326640, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 326640
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0033187
US-10-257-017B-326640

Query Match      8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 9.2e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1402 TAAATTTGTAA 1413
Db 12 TAAATTTATTA 1

RESULT 296
US-10-257-017B-327216
; Sequence 327216, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 327216
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0033502
US-10-257-017B-327216

Query Match      8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 9.2e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
```


Query Match 8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 9.2e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1350 GGAAGAAAAATA 1361
||| |||||
Db 12 GGGAGAAAAATA 1

RESULT 288
US-10-257-017B-318205/c
; Sequence 318205, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 318205
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0028516
US-10-257-017B-318205

Query Match 8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 9.2e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1352 AAGAAAAATATT 1363
||| |||||
Db 12 AAGAAGAAATATT 1

RESULT 289
US-10-257-017B-318749
; Sequence 318749, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 318749
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0028844
US-10-257-017B-318749

Query Match 8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 9.2e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1405 AATTGTTAATGA 1416
||| |||||
Db 1 AATTGTTAATGA 12

RESULT 290
US-10-257-017B-319342/c
; Sequence 319342, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 319342
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0029171
US-10-257-017B-319342

Query Match 8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 9.2e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1350 GGAAGAAAAATA 1361
||| |||||
Db 12 GGAAGATAAATA 1

RESULT 291
US-10-257-017B-320378
; Sequence 320378, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 320378
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0029677
US-10-257-017B-320378

Query Match 8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 9.2e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1348 GGGAGAAAAAAA 1359
||| |||||
Db 1 GGGGAAAAAAA 12

RESULT 292
US-10-257-017B-321550
; Sequence 321550, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine

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; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 313947
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0026044
US-10-257-017B-313947

Query Match      8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 9.2e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1352 AAGAAAAATATT 1363
Db 12 AACAAAAATATT 1

RESULT 284
US-10-257-017B-314004
; Sequence 314004, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 314004
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0026064
US-10-257-017B-314004

Query Match      8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 9.2e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1401 GTAAAAATGTTA 1412
Db 1 GTAAATATTGTTA 12

RESULT 285
US-10-257-017B-315661/c
; Sequence 315661, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 315661
```

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; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 315661
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0027026
US-10-257-017B-315661

Query Match      8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 9.2e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1399 AGGTAAATTTGT 1410
Db 12 AGGTAAATTTT 1

RESULT 286
US-10-257-017B-317026
; Sequence 317026, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 317026
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0027768
US-10-257-017B-317026

Query Match      8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 9.2e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1352 AAGAAAAATATT 1363
Db 1 AAGGAAAAATATT 12

RESULT 287
US-10-257-017B-317789/c
; Sequence 317789, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 317789
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0028274
US-10-257-017B-317789
```

```

; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0023938
US-10-257-017B-310357

```

Query Match	8.0%	Score 10.4;	DB 1;	Length 12;
Best Local Similarity	91.7%	Pred. No. 9.2e+02;		
Matches 11;	Conservative	0;	Mismatches 1;	Indels 0;
				Gaps 0;

QY 1404 AAATTGTTAATG 1415
 |||||
Db 12 AAATTGTTAGT 1

```

RESULT 279
US-10-257-017B-312521/c
; Sequence 312521, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 312521
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0025110
US-10-257-017B-312521

```

Query Match 8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 9.2e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1355 AAAAAATATTCCA 1366
||| ||| ||| |||
Db 12 AAAAAATAATCCA 1

RESULT 280
US-10-257-017B-313597
; Sequence 313597, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 313597
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0025857
US-10-257-017B-313597

Query Match 8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 9.2e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY	1356	AAAATATTCCAC	1367
Db	1	AAAATATTCTAC	12

```

RESULT 281
US-10-257-017B-313626
; Sequence 313626, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 313626
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0025873
US-10-257-017B-313626

```

Query Match	8.0%;	Score 10.4;	DB 1;	Length 12;
Best Local Similarity	91.7%;	Pred. No. 9.2e+02;		
Matches 11; Conservative	0;	Mismatches 1;	Indels 0;	Gaps 0;

Qy 1404 AAATTGTTAATG 1415
|||
Db 1 AAATTGTTTATG 12

```

RESULT 282
US-10-257-017B-313944/c
; Sequence 313944, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 313944
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0026042
US-10-257-017B-313944

```

Query Match	8.0%	Score 10.4;	DB 1;	Length 12;
Best Local Similarity	91.7%	Pred. No. 9.2e+02;		
Matches 11; Conservative	0;	Mismatches 1;	Indels 0;	Gaps 0;

QY 1350 GGAAGAAAAATA 1361
||| ||||| |||
Db 12 GGTAGAAAAATA 1

RESULT 283
US-10-257-017B-313947/c
; Sequence 313947, Application US/10257017B
: GENERAL INFORMATION:

```
RESULT 274
US-10-257-017B-307971
; Sequence 307971, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 307971
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0022819
US-10-257-017B-307971

Query Match      8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 9.2e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1348 GGGGAAGAAAA 1359
      |||||
Db 1 GGGGAAGATAA 12

RESULT 275
US-10-257-017B-308016/c
; Sequence 308016, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 308016
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0022838
US-10-257-017B-308016

Query Match      8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 9.2e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1450 AGATGGGTGAT 1461
      |||||
Db 12 AGATGGGTGAT 1

RESULT 276
US-10-257-017B-309005/c
; Sequence 309005, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
```

```
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 309005
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0023317
US-10-257-017B-309005
```

```
Query Match      8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 9.2e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
```

```
QY 1355 AAAAATATATCCA 1366
      |||||
Db 12 AAAAATATATCCA 1
```

RESULT 277

```
US-10-257-017B-310184
; Sequence 310184, Application US/10257017B
; GENERAL INFORMATION:
```

```
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 310184
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0023858
US-10-257-017B-310184
```

```
Query Match      8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 9.2e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
```

```
QY 1408 TGTTAATGATGA 1419
      |||||
Db 1 TTTTAATGATGA 12
```

RESULT 278

```
US-10-257-017B-310357/c
; Sequence 310357, Application US/10257017B
; GENERAL INFORMATION:
```

```
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 310357
; LENGTH: 12
; TYPE: DNA
```


; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 306244
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0021890
US-10-257-017B-306244

Query Match 8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 9.2e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1356 AAAATATTTCCAC 1367
||||| |||||
Db 1 AAAATTTTCCAC 12

RESULT 270

US-10-257-017B-306649/c
; Sequence 306649, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 306649
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0022106
US-10-257-017B-306649

Query Match 8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 9.2e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1404 AAATTGTTAATG 1415
||||| |||||
Db 12 AAATTGTTAATG 1

RESULT 271

US-10-257-017B-306886/c
; Sequence 306886, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 306886
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0022286
US-10-257-017B-306886

Query Match 8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 9.2e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1400 GGTAATAATTGTT 1411
||||| |||||
Db 12 GGTAATAATTGTT 1

RESULT 272

US-10-257-017B-306904
; Sequence 306904, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 306904
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0022234
US-10-257-017B-306904

Query Match 8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 9.2e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1395 AAGAGGTAATAA 1406
||||| |||||
Db 1 AAAGAGGTAATAA 12

RESULT 273

US-10-257-017B-307736/c
; Sequence 307736, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 307736
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0022658
US-10-257-017B-307736

Query Match 8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 9.2e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1399 AGTAATAATTGT 1410
||||| |||||
Db 12 AGTATAATTGT 1

```
Db      | ||||| |||||
        12 AAAAAAATATTC 1

RESULT 265
US-10-257-017B-301245/c
; Sequence 301245, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 301245
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0019422
US-10-257-017B-301245

Query Match      8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 9.2e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      1352 AAGAAAAATATT 1363
        ||||| |||||
        12 AAGAATAATATT 1

Db

RESULT 266
US-10-257-017B-303029
; Sequence 303029, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 303029
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0020284
US-10-257-017B-303029

Query Match      8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 9.2e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      1355 AAAAATATTC 1366
        ||||| |||||
        1 AAAATATTC 12

Db

RESULT 267
US-10-257-017B-304813/c
; Sequence 304813, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
```

```
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 304813
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0021122
US-10-257-017B-304813

Query Match      8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 9.2e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      1400 GGTAAAAATTGTT 1411
        ||||| |||||
        12 GGTATAATTGTT 1

Db

RESULT 268
US-10-257-017B-305909
; Sequence 305909, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 305909
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0021696
US-10-257-017B-305909

Query Match      8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 9.2e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      1402 TAAAAATTGTAA 1413
        ||||| |||||
        1 TAAAAATTTTAA 12

Db

RESULT 269
US-10-257-017B-306244
; Sequence 306244, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
```

; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 296443
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0017084
US-10-257-017B-296443

Query Match 8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 9.2e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1400 GGTAAATGTT 1411
|||||
Db 1 GGTAAATTTT 12

RESULT 261
US-10-257-017B-296515
; Sequence 296515, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 296515
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0017118
US-10-257-017B-296515

Query Match 8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 9.2e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1401 GTAAATGTTA 1412
|||||
Db 1 GTAAATGTTA 12

RESULT 262
US-10-257-017B-298340
; Sequence 298340, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 298340
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence

; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0018036
US-10-257-017B-298340

Query Match 8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 9.2e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1353 AGAAAAATATTC 1364
|||||
Db 1 AAAAAATATTC 12

RESULT 263
US-10-257-017B-298531/c
; Sequence 298531, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 298531
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0018143
US-10-257-017B-298531

Query Match 8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 9.2e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1352 AAGAAAAATATT 1363
|||||
Db 12 AAGAAAAATAGT 1

RESULT 264
US-10-257-017B-298907/c
; Sequence 298907, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 298907
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0018340
US-10-257-017B-298907

Query Match 8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 9.2e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1353 AGAAAAATATTC 1364

```
Best Local Similarity 91.7%; Pred. No. 9.2e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1407 TTGTTAATGATG 1418
Db 12 TTGTTAATGATG 1

RESULT 256
US-10-257-017B-290754
; Sequence 290754, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 290754
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0014500
US-10-257-017B-290754

Query Match 8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 9.2e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1355 AAAAATATTCCA 1366
Db 1 AAAAATACTCCA 12

RESULT 257
US-10-257-017B-292736
; Sequence 292736, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 292736
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0015327
US-10-257-017B-292736

Query Match 8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 9.2e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1394 AAAGGAGGTAAA 1405
Db 1 AAAGAAGGTAAA 12

RESULT 258
```

```
US-10-257-017B-293279
; Sequence 293279, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 293279
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0015564
US-10-257-017B-293279

Query Match 8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 9.2e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1376 AGCGATCGTCTT 1387
Db 1 AGCGATCGTGT 12

RESULT 259
US-10-257-017B-293307/c
; Sequence 293307, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 293307
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0015566
US-10-257-017B-293307

Query Match 8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 9.2e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1375 GAGCGATCGTCT 1386
Db 12 GAGCGATCGTGT 1

RESULT 260
US-10-257-017B-296443
; Sequence 296443, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
```



```
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TYPE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 285127
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0012162
US-10-257-017B-285127

Query Match      8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 9.2e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1408 TGTTAATGATGA 1419
Db 12 TGTTAATGTTGA 1

RESULT 252
US-10-257-017B-286087
; Sequence 286087, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TYPE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 286087
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0012571
US-10-257-017B-286087

Query Match      8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 9.2e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1447 GGAAGATGGGTT 1458
Db 1 GAAAGATGGGTT 12

RESULT 253
US-10-257-017B-286325
; Sequence 286325, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TYPE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
```

```
; SEQ ID NO 286325
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0012671
US-10-257-017B-286325

Query Match      8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 9.2e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1352 AAGAAAAATATT 1363
Db 1 ATGAAAAATATT 12

RESULT 254
US-10-257-017B-288604/c
; Sequence 288604, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TYPE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 288604
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0013593
US-10-257-017B-288604

Query Match      8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 9.2e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1351 GAAGAAAAATAT 1362
Db 12 GAAAAAAATAT 1

RESULT 255
US-10-257-017B-289070/c
; Sequence 289070, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TYPE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 289070
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0013790
US-10-257-017B-289070

Query Match      8.0%; Score 10.4; DB 1; Length 12;
```

```
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0009854
US-10-257-017B-281507

Query Match      8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 9.2e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1406 ATGTTAATGAT 1417
    |||||
Db 1 ATGTTAGTGAT 12

RESULT 247
US-10-257-017B-282776
; Sequence 282776, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 282776
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0010988
US-10-257-017B-282776

Query Match      8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 9.2e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1402 TAAATTTGTTAA 1413
    |||||
Db 1 TAAATTTATTAA 12

RESULT 248
US-10-257-017B-283401
; Sequence 283401, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 283401
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0011291
US-10-257-017B-283401

Query Match      8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 9.2e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1404 AAATTGTTAATG 1415
    |||||
```

```
Db 1 AAATTGATAATG 12

RESULT 249
US-10-257-017B-284231
; Sequence 284231, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 284231
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0011734
US-10-257-017B-284231

Query Match      8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 9.2e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1395 AAGGAGGTAAAA 1406
    |||||
Db 1 AAGGTGGTAAAA 12

RESULT 250
US-10-257-017B-284590/c
; Sequence 284590, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 284590
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0011889
US-10-257-017B-284590

Query Match      8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 9.2e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1403 AAAATTGTTAAT 1414
    |||||
Db 12 AAAATTTTAAAT 1

RESULT 251
US-10-257-017B-285127/c
; Sequence 285127, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
```

```
; Sequence 275611, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 275611
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0003943
US-10-257-017B-275611
```

```
Query Match      8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 9.2e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
```

```
QY 1352 AAGAAAAATATT 1363
Db 12 AAAAAAAATATT 1
```

RESULT 243

```
US-10-257-017B-276034
; Sequence 276034, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 276034
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0004071
US-10-257-017B-276034
```

```
Query Match      8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 9.2e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
```

```
QY 1402 TAAATTTGTAA 1413
Db 1 TAAATTTGTAA 12
```

RESULT 244

```
US-10-257-017B-278001
; Sequence 278001, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
```

```
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 278001
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0005468
US-10-257-017B-278001
```

```
Query Match      8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 9.2e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
```

```
QY 1352 AAGAAAAATATT 1363
Db 1 AATAAAATATT 12
```

RESULT 245

```
US-10-257-017B-280021/c
; Sequence 280021, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 280021
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0008049
US-10-257-017B-280021
```

```
Query Match      8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 9.2e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
```

```
QY 1460 ATCAAGCAAATA 1471
Db 12 ATCAATCAAATA 1
```

RESULT 246

```
US-10-257-017B-281507
; Sequence 281507, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 281507
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
```

```
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0003013
US-10-257-017B-273012
```

```
Query Match      8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 9.2e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
```

```
QY 1353 AGAAAAATATTC 1364
   |||||
Db 1 ATAAAAATATTC 12
```

```
RESULT 238
US-10-257-017B-273275/c
; Sequence 273275, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 273275
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0003123
US-10-257-017B-273275
```

```
Query Match      8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 9.2e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
```

```
QY 1402 TAAATTTGTTAA 1413
   |||||
Db 12 TAAATTTTAA 1
```

```
RESULT 239
US-10-257-017B-273627/c
; Sequence 273627, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 273627
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0003251
US-10-257-017B-273627
```

```
Query Match      8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 9.2e+02;
```

```
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1401 GTAAATTTGTTA 1412
   |||||
Db 12 GTAAATTTGTTA 1
```

```
RESULT 240
US-10-257-017B-273667
; Sequence 273667, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 273667
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0003265
US-10-257-017B-273667
```

```
Query Match      8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 9.2e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
```

```
QY 1355 AAAAATATTTCCA 1366
   |||||
Db 1 ACAAATATTTCCA 12
```

```
RESULT 241
US-10-257-017B-274418/c
; Sequence 274418, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 274418
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0003540
US-10-257-017B-274418
```

```
Query Match      8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 9.2e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
```

```
QY 1356 AAAATATTTCCAC 1367
   |||||
Db 12 AAAATATTTCAAC 1
```

```
RESULT 242
US-10-257-017B-275611/c
```



```
RESULT 233
US-10-257-017B-267832
; Sequence 267832, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 267832
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0000585
US-10-257-017B-267832

Query Match      8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 9.2e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1402 TAAAAATTGTTAA 1413
|||||
Db 1 TAAAAATGTTAA 12

RESULT 234
US-10-257-017B-269017/c
; Sequence 269017, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 269017
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0001555
US-10-257-017B-269017

Query Match      8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 9.2e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1403 AAAATTGTTAAT 1414
|||
Db 12 AATATTGTTAAT 1

RESULT 235
US-10-257-017B-269495
; Sequence 269495, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 269495
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0001782
US-10-257-017B-269495

Query Match      8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 9.2e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1352 AAGAAAAATATT 1363
|||
Db 1 AAAAAAATATT 12

RESULT 236
US-10-257-017B-272719
; Sequence 272719, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 272719
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0002915
US-10-257-017B-272719

Query Match      8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 9.2e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1434 CAGACATATACA 1445
|||
Db 1 CATACATATACA 12

RESULT 237
US-10-257-017B-273012
; Sequence 273012, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 273012
```

; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 46142
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0013366
US-10-257-017B-46142

Query Match 8.2%; Score 10.6; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 7.5e+02;
Matches 10; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1354 GAAAAATATTC 1364
:|||||
Db 1 RAAAAATATTC 11

RESULT 229

US-10-257-017B-66307/c
; Sequence 66307, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 66307
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0017421
US-10-257-017B-66307

Query Match 8.2%; Score 10.6; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 7.5e+02;
Matches 10; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1354 GAAAAATATTC 1364
:|||||
Db 13 RAAAAATATTC 3

RESULT 230

US-10-257-017B-66308
; Sequence 66308, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 66308
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0017421

QY 1356 AAAATATTC 1366
:|||||
Db 1 RAAATATTC 11

US-10-257-017B-66308

Query Match 8.2%; Score 10.6; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 7.5e+02;
Matches 10; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1354 GAAAAATATTC 1364
:|||||
Db 1 RAAAAATATTC 11

RESULT 231

US-10-257-017B-79623/c
; Sequence 79623, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 79623
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0020222
US-10-257-017B-79623

Query Match 8.2%; Score 10.6; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 7.5e+02;
Matches 10; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1356 AAAATATTC 1366
:|||||
Db 13 RAAATATTC 3

RESULT 232

US-10-257-017B-79624
; Sequence 79624, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 79624
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0020222
US-10-257-017B-79624

Query Match 8.2%; Score 10.6; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 7.5e+02;
Matches 10; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1356 AAAATATTC 1366
:|||||
Db 1 RAAATATTC 11

```
Query Match      8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 5.9e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1451 GATGGGTTGAT 1461
          |||||
Db       12 GATGGGTTGAT 2

RESULT 224
US-60-545-213-302875
; Sequence 302875, Application US/60545213
; GENERAL INFORMATION:
; APPLICANT: Wyeth
; APPLICANT: Mounts, William Martin
; TITLE OF INVENTION: Nucleic Acid Arrays for Monitoring Expression Profiles of Drug
; FILE REFERENCE: AM101083 (031896-042099)
; CURRENT APPLICATION NUMBER: US/60/545,213
; CURRENT FILING DATE: 2004-02-18
; NUMBER OF SEQ ID NOS: 303284
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 302875
; LENGTH: 25
; TYPE: DNA
; ORGANISM: probe
US-60-545-213-302875
```

```
Query Match      8.3%; Score 10.8; DB 1; Length 25;
Best Local Similarity 68.2%; Pred. No. 3.5e+02;
Matches 15; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

QY      1414 TGATGACCGAGTCGTTCTATGCA 1435
          |||||
Db       2 TGATAACCCCATTTTCTATGTA 23

RESULT 225
US-10-257-017B-46137/c
; Sequence 46137, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 46137
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0013366
US-10-257-017B-46137
```

```
Query Match      8.2%; Score 10.6; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 7.5e+02;
Matches 10; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY      1354 GAAAAATATTC 1364
          :|||||
Db       13 RAAAAATATTC 3

RESULT 226
US-10-257-017B-46138
; Sequence 46138, Application US/10257017B
```

```
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosi
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 46138
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0013366
US-10-257-017B-46138
```

```
Query Match      8.2%; Score 10.6; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 7.5e+02;
Matches 10; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY      1354 GAAAAATATTC 1364
          :|||||
Db       1 RAAAAATATTC 11
```

```
RESULT 227
US-10-257-017B-46141/c
; Sequence 46141, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosi
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 46141
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0013366
US-10-257-017B-46141
```

```
Query Match      8.2%; Score 10.6; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 7.5e+02;
Matches 10; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY      1354 GAAAAATATTC 1364
          :|||||
Db       13 RAAAAATATTC 3
```

```
RESULT 228
US-10-257-017B-46142
; Sequence 46142, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosi
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
```

```
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 236360
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0057697
US-10-257-017B-236360
```

```
Query Match      8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 5.9e+02;
Matches 11; Conservative 1; Mismatches 1; Indels 0; Gaps 0;
```

```
QY 1354 GAAAAATATTCCA 1366
      :|||||:
Db 1 RAAAAATACTCCA 13
```

```
RESULT 220
US-10-257-017B-248477
; Sequence 248477, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 248477
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0060726
US-10-257-017B-248477
```

```
Query Match      8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 5.9e+02;
Matches 11; Conservative 1; Mismatches 1; Indels 0; Gaps 0;
```

```
QY 1348 GGGGAAGAAAAAT 1360
      ||||||:
Db 1 GAGGAAGAAAAAY 13
```

```
RESULT 221
US-10-257-017B-248478/c
; Sequence 248478, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
```

```
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 248478
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0060726
US-10-257-017B-248478
```

```
Query Match      8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 5.9e+02;
Matches 11; Conservative 1; Mismatches 1; Indels 0; Gaps 0;
```

```
QY 1348 GGGGAAGAAAAAT 1360
      ||||||:
Db 13 GAGGAAGAAAAAY 1
```

```
RESULT 222
US-10-257-017B-259837
; Sequence 259837, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 259837
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0063098
US-10-257-017B-259837
```

```
Query Match      8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 5.9e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY 1451 GATGGGTTGAT 1461
      ||||||:
Db 2 GATGGGTTGAT 12
```

```
RESULT 223
US-10-257-017B-259838/c
; Sequence 259838, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 259838
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0063098
US-10-257-017B-259838
```


; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0054021
US-10-257-017B-221991

Query Match 8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 5.9e+02;
Matches 11; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1446 TGAAGATGGGTT 1458
Db 1 TGAAGAAGGGTY 13

RESULT 215
US-10-257-017B-221992/c
; Sequence 221992, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 221992
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0054021
US-10-257-017B-221992

Query Match 8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 5.9e+02;
Matches 11; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1446 TGAAGATGGGTT 1458
Db 13 TGAAGAAGGGTY 1

RESULT 216
US-10-257-017B-234265
; Sequence 234265, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 234265
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0004687
US-10-257-017B-234265

Query Match 8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 5.9e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1396 AGGAGGTAAAA 1406
Db 3 AGGAGGTAAAA 13

RESULT 217
US-10-257-017B-234266/c
; Sequence 234266, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 234266
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0004687
US-10-257-017B-234266

Query Match 8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 5.9e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1396 AGGAGGTAAAA 1406
Db 11 AGGAGGTAAAA 1

RESULT 218
US-10-257-017B-236359/c
; Sequence 236359, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 236359
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0057697
US-10-257-017B-236359

Query Match 8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 5.9e+02;
Matches 11; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1354 GAAAAATATTCCA 1366
Db 13 RAAAAATATTCCA 1

RESULT 219
US-10-257-017B-236360
; Sequence 236360, Application US/10257017B
; GENERAL INFORMATION:

```
RESULT 210
US-10-257-017B-219253/c
; Sequence 219253, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 219253
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0053312
US-10-257-017B-219253

Query Match      8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 5.9e+02;
Matches 11; Conservative 1; Mismatches 0; Gaps 0;

QY 1433 GCAGACATATACA 1445
Db 13 RCAAACATATACA 1

RESULT 211
US-10-257-017B-219254
; Sequence 219254, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 219254
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0053312
US-10-257-017B-219254

Query Match      8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 5.9e+02;
Matches 11; Conservative 1; Mismatches 0; Gaps 0;

QY 1433 GCAGACATATACA 1445
Db 13 RCAAACATATACA 1

RESULT 212
US-10-257-017B-220305
; Sequence 220305, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 220305
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0008997
US-10-257-017B-220305

Query Match      8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 5.9e+02;
Matches 11; Conservative 1; Mismatches 0; Gaps 0;

QY 1446 TGAAGATGGGT 1458
Db 13 TGAAGATGGTY 13

RESULT 213
US-10-257-017B-220306/c
; Sequence 220306, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 220306
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0008997
US-10-257-017B-220306

Query Match      8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 5.9e+02;
Matches 11; Conservative 1; Mismatches 0; Gaps 0;

QY 1446 TGAAGATGGGT 1458
Db 13 TGAAGATGGTY 13

RESULT 214
US-10-257-017B-221991
; Sequence 221991, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 221991
; LENGTH: 13
; TYPE: DNA
```

```
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 220305
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0008997
US-10-257-017B-220305

Query Match      8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 5.9e+02;
Matches 11; Conservative 1; Mismatches 0; Gaps 0;

QY 1446 TGAAGATGGGT 1458
Db 13 TGAAGATGGTY 13

RESULT 213
US-10-257-017B-220306/c
; Sequence 220306, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 220306
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0008997
US-10-257-017B-220306

Query Match      8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 5.9e+02;
Matches 11; Conservative 1; Mismatches 0; Gaps 0;

QY 1446 TGAAGATGGGT 1458
Db 13 TGAAGATGGTY 13

RESULT 214
US-10-257-017B-221991
; Sequence 221991, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 221991
; LENGTH: 13
; TYPE: DNA
```

; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 216280
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0052604
US-10-257-017B-216280

Query Match 8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 5.9e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1403 AAAATTGTTAA 1413
|||||
Db 13 AAAATTGTTAA 3

RESULT 206
US-10-257-017B-217297/c
; Sequence 217297, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 217297
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0052826
US-10-257-017B-217297

Query Match 8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 5.9e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1355 AAAAATATTCC 1365
|||||
Db 11 AAAAATATTCC 1

RESULT 207
US-10-257-017B-217298
; Sequence 217298, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 217298
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0052826
US-10-257-017B-217298

Query Match 8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 5.9e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1355 AAAAATATTCC 1365
|||||
Db 3 AAAAATATTCC 13

RESULT 208
US-10-257-017B-217505/c
; Sequence 217505, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 217505
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0052893
US-10-257-017B-217505

Query Match 8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 5.9e+02;
Matches 11; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1354 GAAAAATATTCCA 1366
:|||||
Db 13 RAAAAATATTACA 1

RESULT 209
US-10-257-017B-217506
; Sequence 217506, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 217506
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0052893
US-10-257-017B-217506

Query Match 8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 5.9e+02;
Matches 11; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1354 GAAAAATATTCCA 1366
:|||||
Db 1 RAAAAATATTACA 13


```
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 201211
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC00049504
US-10-257-017B-201211

Query Match      8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 5.9e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1356 AAAATATTCCA 1366
      |||||
Db      11 AAAATATTCCA 1

RESULT 197
US-10-257-017B-201212
; Sequence 201212, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 201212
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC00049504
US-10-257-017B-201212

Query Match      8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 5.9e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1356 AAAATATTCCA 1366
      |||||
Db      3 AAAATATTCCA 13

RESULT 198
US-10-257-017B-208743/c
; Sequence 208743, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 208743
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
```

```
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0050985
US-10-257-017B-208743

Query Match      8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 5.9e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1357 AAATATTCCAC 1367
      |||||
Db      13 AAATATTCCAC 3

RESULT 199
US-10-257-017B-208744
; Sequence 208744, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 208744
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0050985
US-10-257-017B-208744
```

```
Query Match      8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 5.9e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1357 AAATATTCCAC 1367
      |||||
Db      1 AAATATTCCAC 11
```

```
RESULT 200
US-10-257-017B-212187
; Sequence 212187, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 212187
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0009958
US-10-257-017B-212187
```

```
Query Match      8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 5.9e+02;
Matches 11; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY      1408 TGTTAATGATGAC 1420
```

```
Best Local Similarity 84.6%; Pred. No. 5.9e+02;
Matches 11; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1450 AGATGGGTTGATC 1462
Db 13 AGATGGGTTTATY 1

RESULT 192
US-10-257-017B-178651/c
; Sequence 178651, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 178651
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0044255
US-10-257-017B-178651

Query Match 8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 5.9e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1357 AAATATTCCAC 1367
Db 13 AAATATTCCAC 3

RESULT 193
US-10-257-017B-178652
; Sequence 178652, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 178652
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0044255
US-10-257-017B-178652

Query Match 8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 5.9e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1357 AAATATTCCAC 1367
Db 1 AAATATTCCAC 11

RESULT 194
```

```
US-10-257-017B-184485
; Sequence 184485, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 184485
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0045528
US-10-257-017B-184485
```

```
Query Match 8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 5.9e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY 1352 AAGAAAAATAT 1362
Db 3 AAGAAAAATAT 13
```

```
RESULT 195
US-10-257-017B-184486/c
; Sequence 184486, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 184486
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0045528
US-10-257-017B-184486
```

```
Query Match 8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 5.9e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY 1352 AAGAAAAATAT 1362
Db 11 AAGAAAAATAT 1
```

```
RESULT 196
US-10-257-017B-201211/c
; Sequence 201211, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
```

```
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 171856
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0042837
US-10-257-017B-171856

Query Match      8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 5.9e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1402 TAAAAATTGTTA 1412
Db 12 TAAAAATTGTTA 2

RESULT 188
US-10-257-017B-174149/c
; Sequence 174149, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 174149
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0043329
US-10-257-017B-174149

Query Match      8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 5.9e+02;
Matches 11; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1354 GAAAAATATTCCA 1366
Db 13 RAAAAATAATCCA 1

RESULT 189
US-10-257-017B-174150
; Sequence 174150, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
```

```
; SEQ ID NO 174150
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0043329
US-10-257-017B-174150

Query Match      8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 5.9e+02;
Matches 11; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1354 GAAAAATATTCCA 1366
Db 1 RAAAAATAATCCA 13

RESULT 190
US-10-257-017B-174981
; Sequence 174981, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 174981
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0043499
US-10-257-017B-174981

Query Match      8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 5.9e+02;
Matches 11; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1450 AGATGGGTTGATC 1462
Db 1 AGATGGGTTTATY 13

RESULT 191
US-10-257-017B-174982/c
; Sequence 174982, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 174982
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0043499
US-10-257-017B-174982

Query Match      8.5%; Score 11; DB 1; Length 13;
```

; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0040212
US-10-257-017B-159743

Query Match 8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 5.9e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1398 GAGGTAAATT 1408
| | | | | | | | | |
Db 2 GAGGTAAATT 12

RESULT 183
US-10-257-017B-159744/c
; Sequence 159744, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 159744
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0040212
US-10-257-017B-159744

Query Match 8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 5.9e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1398 GAGGTAAATT 1408
| | | | | | | | | |
Db 12 GAGGTAAATT 2

RESULT 184
US-10-257-017B-171677/c
; Sequence 171677, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 171677
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0042792
US-10-257-017B-171677

Query Match 8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 5.9e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1363 TCCACGCATCA 1373
| | | | | | | | | |

Db 12 TCCACGCATCA 2

RESULT 185
US-10-257-017B-171678
; Sequence 171678, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 171678
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0042792
US-10-257-017B-171678

Query Match 8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 5.9e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1363 TCCACGCATCA 1373
| | | | | | | | | |
Db 2 TCCACGCATCA 12

RESULT 186
US-10-257-017B-171855
; Sequence 171855, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 171855
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0042837
US-10-257-017B-171855

Query Match 8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 5.9e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1402 TAAATTTGTTA 1412
| | | | | | | | | |
Db 2 TAAATTTGTTA 12

RESULT 187
US-10-257-017B-171856/c
; Sequence 171856, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock


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; Sequence 159615, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 159615
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0040184
US-10-257-017B-159615

Query Match      8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 5.9e+02;
Matches 11; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY      1354 GAAAAAATATTCCA 1366
Db      13 RAAAAAAATTTCCA 1

RESULT 179
US-10-257-017B-159616
; Sequence 159616, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 159616
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0040184
US-10-257-017B-159616

Query Match      8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 5.9e+02;
Matches 11; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY      1354 GAAAAAATATTCCA 1366
Db      1 RAAAAAAATTTCCA 13

RESULT 180
US-10-257-017B-159617/c
; Sequence 159617, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
```

```
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 159617
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0040184
US-10-257-017B-159617

Query Match      8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 5.9e+02;
Matches 11; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY      1354 GAAAAAATATTCCA 1366
Db      13 RAAAAAACATTCCA 1

RESULT 181
US-10-257-017B-159618
; Sequence 159618, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 159618
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0040184
US-10-257-017B-159618

Query Match      8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 5.9e+02;
Matches 11; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY      1354 GAAAAAATATTCCA 1366
Db      1 RAAAAAACATTCCA 13

RESULT 182
US-10-257-017B-159743
; Sequence 159743, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 159743
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
```

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; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0037898
US-10-257-017B-150146

Query Match      8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 5.9e+02;
Matches 11; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1352 AAGAAAAATATTC 1364
Db 13 AAAAAAATATTY 1

RESULT 174
US-10-257-017B-151881
; Sequence 151881, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 151881
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0038376
US-10-257-017B-151881

Query Match      8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 5.9e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1404 AAATTGTTAAT 1414
Db 2 AAATTGTTAAT 12

RESULT 175
US-10-257-017B-151882/c
; Sequence 151882, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 151882
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0038376
US-10-257-017B-151882

Query Match      8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 5.9e+02;
```

```
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1404 AAATTGTTAAT 1414
Db 12 AAATTGTTAAT 2

RESULT 176
US-10-257-017B-156087
; Sequence 156087, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 156087
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0039379
US-10-257-017B-156087

Query Match      8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 5.9e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1407 TTGTTAATGAT 1417
Db 2 TTGTTAATGAT 12

RESULT 177
US-10-257-017B-156088/c
; Sequence 156088, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 156088
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0039379
US-10-257-017B-156088

Query Match      8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 5.9e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1407 TTGTTAATGAT 1417
Db 12 TTGTTAATGAT 2

RESULT 178
US-10-257-017B-159615/c
```

```

; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 145424
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0036609
US-10-257-017B-145424

Query Match      8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 5.9e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1356 AAAATATTCCA 1366
Db 2 AAAATATTCCA 12

RESULT 172
US-10-257-017B-150145
; Sequence 150145, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 150145
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0037898
US-10-257-017B-150145

Query Match      8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 5.9e+02;
Matches 11; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1352 AAGAAAAATATTC 1364
Db 1 AAAAAAATATATTC 13

RESULT 173
US-10-257-017B-150146/c
; Sequence 150146, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 150146

; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 150146

; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 144840
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0036426
US-10-257-017B-144840

Query Match      8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 5.9e+02;
Matches 11; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1354 GAAAAATATTCCA 1366
Db 1 RAAAAATATTCCA 13

RESULT 170
US-10-257-017B-145423/c
; Sequence 145423, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 145423
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0036609
US-10-257-017B-145423

Query Match      8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 5.9e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1356 AAAATATTCCA 1366
Db 12 AAAATATTCCA 2

RESULT 171
US-10-257-017B-145424
; Sequence 145424, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
```

; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 139295
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0034884
US-10-257-017B-139295

Query Match 8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 5.9e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1356 AAAATATTCCA 1366
:|||||
Db 13 AAAATATTCCA 3

RESULT 165
US-10-257-017B-139296
; Sequence 139296, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 139296
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0034884
US-10-257-017B-139296

Query Match 8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 5.9e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1356 AAAATATTCCA 1366
:|||||
Db 1 AAAATATTCCA 11

RESULT 166
US-10-257-017B-143211/c
; Sequence 143211, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 143211
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0035935

US-10-257-017B-143211

Query Match 8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 5.9e+02;
Matches 11; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1358 AATATTCCACGCA 1370
:|||||
Db 13 RATATTCCCCGCA 1

RESULT 167
US-10-257-017B-143212
; Sequence 143212, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 143212
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0035935
US-10-257-017B-143212

Query Match 8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 5.9e+02;
Matches 11; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1358 AATATTCCACGCA 1370
:|||||
Db 1 RATATTCCCCGCA 13

RESULT 168
US-10-257-017B-144839/c
; Sequence 144839, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 144839
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0036426
US-10-257-017B-144839

Query Match 8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 5.9e+02;
Matches 11; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1354 GAAAAATATTCCA 1366
:|||||
Db 13 RAAAAATTTTCCA 1


```
QY 1402 TAAAAATTGTTAAT 1414
Db 13 TAAAAATTGTTTAY 1

RESULT 160
US-10-257-017B-137533
; Sequence 137533, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 137533
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0034382
US-10-257-017B-137533

Query Match      8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 5.9e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1353 AGAAAAATATT 1363
Db 1 AGAAAAATATT 11

RESULT 161
US-10-257-017B-137534/c
; Sequence 137534, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 137534
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0034382
US-10-257-017B-137534

Query Match      8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 5.9e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1353 AGAAAAATATT 1363
Db 13 AGAAAAATATT 3

RESULT 162
US-10-257-017B-138227
; Sequence 138227, Application US/10257017B
```

```
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 138227
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0034595
US-10-257-017B-138227

Query Match      8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 5.9e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1353 AGAAAAATATT 1363
Db 1 AGAAAAATATT 11

RESULT 163
US-10-257-017B-138228/c
; Sequence 138228, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 138228
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0034595
US-10-257-017B-138228

Query Match      8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 5.9e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1353 AGAAAAATATT 1363
Db 13 AGAAAAATATT 3

RESULT 164
US-10-257-017B-139295/c
; Sequence 139295, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
```

```
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 121398
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0030317
US-10-257-017B-121398
```

```
Query Match      8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 5.9e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY 1398 GAGGTAAATT 1408
      |||||
Db 12 GAGGTAAATT 2
```

RESULT 156

```
US-10-257-017B-134019/c
; Sequence 134019, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 134019
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0033419
US-10-257-017B-134019
```

```
Query Match      8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 5.9e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY 1356 AAAATATTCCA 1366
      |||||
Db 11 AAAATATTCCA 1
```

RESULT 157

```
US-10-257-017B-134020
; Sequence 134020, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 134020
; LENGTH: 13
```

```
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0033419
US-10-257-017B-134020
```

```
Query Match      8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 5.9e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY 1356 AAAATATTCCA 1366
      |||||
Db 3 AAAATATTCCA 13
```

RESULT 158

```
US-10-257-017B-134327
; Sequence 134327, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 134327
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0033481
US-10-257-017B-134327
```

```
Query Match      8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 5.9e+02;
Matches 11; Conservative 1; Mismatches 1; Indels 0; Gaps 0;
```

```
QY 1402 TAAATTTGTTAAT 1414
      |||||
Db 1 TAAATTTGTTTAY 13
```

RESULT 159

```
US-10-257-017B-134328/c
; Sequence 134328, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 134328
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0033481
US-10-257-017B-134328
```

```
Query Match      8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 5.9e+02;
Matches 11; Conservative 1; Mismatches 1; Indels 0; Gaps 0;
```

Query Match	8.5%;	Score 11;	DB 1;	Length 13;
Best Local Similarity	84.6%;	Pred. No. 5.9e+02;		
Matches 11;	Conservative	1;	Mismatches 1;	Indels 0;
				Gaps 0;

```

QY      1351 GAAGAAAAATATT 1363
          :||| |||||
Db      13 RAAAAAAATATT 1

```

RESULT 151

```

US-10-257-017B-96950
; Sequence 96950, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 96950
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0024053
US-10-257-017B-96950

```

Query Match 8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 5.9e+02;
Matches 11; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY	1351	GAAGAAAAATATT	1363
		:	
D _b	1	RAAAAAAAATATT	13

RESULT 152

```

US-10-257-017B-119735
; Sequence 119735, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 119735
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0029876
US-10-257-017B-119735

```

Query Match 8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 5.9e+02;
Matches 11; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Qy 1351 GAAGAAAAATATT 1363
||||| :
Db 1 GAAGAAAAATTY 13

```

RESULT 153
US-10-257-017B-119736/c
; Sequence 119736, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 119736
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0029876
US-10-257-017B-119736

```

Query Match	8.5%	Score 11;	DB 1;	Length 13;
Best Local Similarity	84.6%	Pred. NO. 5.9e+02;		
Matches 11;	Conservative	1;	Mismatches 1;	Indels 0;
				Gaps 0;

QY 1351 GAAGAAAAATATT 1363
||||| :
Db 13 GAAGAAAAATTY 1

RESUT.T 154

```

US-10-257-017B-121397
; Sequence 121397, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 121397
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0030317
US-10-257-017B-121397

```

```
Query Match      8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 5.9e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

Qy 1398 GAGGTAAAATT 1408
|||
Db 2 GAGGTAAAATT 12

RESULT 155
US-10-257-017B-121398/c
; Sequence 121398, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single

```
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 85203
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0021429
US-10-257-017B-85203

Query Match      8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 5.9e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1406 ATTGTTAATGA 1416
Db      3 ATTGTTAATGA 13

RESULT 147
US-10-257-017B-85204/c
; Sequence 85204, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 85204
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0021429
US-10-257-017B-85204

Query Match      8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 5.9e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1406 ATTGTTAATGA 1416
Db      11 ATTGTTAATGA 1

RESULT 148
US-10-257-017B-88595
; Sequence 88595, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 85204
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0021429
US-10-257-017B-85204
```

```
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 88595
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0022266
US-10-257-017B-88595

Query Match      8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 5.9e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1404 AAATTGTTAAT 1414
Db      2 AAATTGTTAAT 12

RESULT 149
US-10-257-017B-88596/c
; Sequence 88596, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 88596
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0022266
US-10-257-017B-88596

Query Match      8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 5.9e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1404 AAATTGTTAAT 1414
Db      12 AAATTGTTAAT 2

RESULT 150
US-10-257-017B-96949/c
; Sequence 96949, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 96949
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0024053
US-10-257-017B-96949
```


; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0014737
US-10-257-017B-53384

Query Match 8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 5.9e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1364 CCACGCATCAC 1374
|||
Db 3 CCACGCATCAC 13

RESULT 142
US-10-257-017B-64315
; Sequence 64315, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 64315
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0016972
US-10-257-017B-64315

Query Match 8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 5.9e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1353 AGAAAAATATT 1363
|||
Db 2 AGAAAAATATT 12

RESULT 143
US-10-257-017B-64316/c
; Sequence 64316, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 64316
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0016972
US-10-257-017B-64316

Query Match 8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 5.9e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1353 AGAAAAATATT 1363
|||
Db 12 AGAAAAATATT 2

RESULT 144
US-10-257-017B-82279
; Sequence 82279, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 82279
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0020783
US-10-257-017B-82279

Query Match 8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 5.9e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1409 GTTAATGATGA 1419
|||
Db 1 GTTAATGATGA 11

RESULT 145
US-10-257-017B-82280/c
; Sequence 82280, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 82280
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0020783
US-10-257-017B-82280

Query Match 8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 5.9e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1409 GTTAATGATGA 1419
|||
Db 13 GTTAATGATGA 3

RESULT 146
US-10-257-017B-85203
; Sequence 85203, Application US/10257017B
; GENERAL INFORMATION:

```
RESULT 137
US-10-257-017B-30756
; Sequence 30756, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 30756
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0009454
US-10-257-017B-30756

Query Match      8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 5.9e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1356 AAAATATTCCA 1366
|||||
Db 1 AAAATATTCCA 11

RESULT 138
US-10-257-017B-39539
; Sequence 39539, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 39539
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0012088
US-10-257-017B-39539

Query Match      8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 5.9e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1401 GTAAAATTGTT 1411
|||||
Db 1 GTAAAATTGTT 11

RESULT 139
US-10-257-017B-39540/c
; Sequence 39540, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
```

```
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 39540
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0012088
US-10-257-017B-39540

Query Match      8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 5.9e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1401 GTAAAATTGTT 1411
|||||
Db 13 GTAAAATTGTT 3

RESULT 140
US-10-257-017B-53383/c
; Sequence 53383, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 53383
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0014737
US-10-257-017B-53383

Query Match      8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 5.9e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1364 CCACGCATCAC 1374
|||||
Db 11 CCACGCATCAC 1

RESULT 141
US-10-257-017B-53384
; Sequence 53384, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 53384
; LENGTH: 13
; TYPE: DNA
```

; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 26413
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC00006957
US-10-257-017B-26413

Query Match 8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 5.9e+02;
Matches 11; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1352 AAGAAAAATATTC 1364
:| |||||
Db 13 RAAAAAATATTC 1

RESULT 133
US-10-257-017B-26414
; Sequence 26414, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 26414
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC00006957
US-10-257-017B-26414

Query Match 8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 5.9e+02;
Matches 11; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1352 AAGAAAAATATTC 1364
:| |||||
Db 1 RAAAAAATATTC 13

RESULT 134
US-10-257-017B-27545/c
; Sequence 27545, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 27545
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC00007666
US-10-257-017B-27545

Query Match 8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 5.9e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1355 AAAAATATTC 1365
|||
Db 12 AAAAATATTC 2

RESULT 135
US-10-257-017B-27546
; Sequence 27546, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 27546
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC00007666
US-10-257-017B-27546

Query Match 8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 5.9e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1355 AAAAATATTC 1365
|||
Db 2 AAAAATATTC 12

RESULT 136
US-10-257-017B-30755/c
; Sequence 30755, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 30755
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC00009454
US-10-257-017B-30755

Query Match 8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 5.9e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1356 AAAATATTC 1366
|||
Db 13 AAAATATTC 3

```
Db      11 TAAAAATTGTTA 1
|||||
RESULT 128
US-10-257-017B-13339/c
; Sequence 13339, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 13339
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0003085
US-10-257-017B-13339

Query Match      8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 5.9e+02;
Matches 11; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY      1401 GTAAATTTGTTAA 1413
:|||||
Db      13 RTAAATTTTAA 1

RESULT 129
US-10-257-017B-13340
; Sequence 13340, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 13340
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0003085
US-10-257-017B-13340

Query Match      8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 5.9e+02;
Matches 11; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY      1401 GTAAATTTGTTAA 1413
:|||||
Db      1 RTAAATTTTAA 13

RESULT 130
US-10-257-017B-16455/c
; Sequence 16455, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
```

```
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 16455
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0003586
US-10-257-017B-16455

Query Match      8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 5.9e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1355 AAAAATATTCC 1365
|||||
Db      12 AAAAATATTCC 2

RESULT 131
US-10-257-017B-16456
; Sequence 16456, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 16456
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0003586
US-10-257-017B-16456

Query Match      8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 5.9e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1355 AAAAATATTCC 1365
|||||
Db      2 AAAAATATTCC 12

RESULT 132
US-10-257-017B-26413/c
; Sequence 26413, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
```



```
; PRIOR FILING DATE: 2003-08-29
; PRIOR APPLICATION NUMBER: US 10/376,770
; PRIOR FILING DATE: 2003-02-28
; NUMBER OF SEQ ID NOS: 628
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 549
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Primer
US-10-661-165-549
```

```
Query Match      8.5%; Score 11; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 6.4e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY 1410 TTAATGATGAC 1420
Db 12 TTAATGATGAC 2
```

RESULT 124

```
US-10-257-017B-77
; Sequence 77, Application US/10257017B
```

```
; GENERAL INFORMATION:
```

```
; APPLICANT: Alexander Olek
```

```
; APPLICANT: Christian Piepenbrock
```

```
; APPLICANT: Kurt Berlin
```

```
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
```

```
; FILE REFERENCE: E01/1193/WO
```

```
; CURRENT APPLICATION NUMBER: US/10/257,017B
```

```
; CURRENT FILING DATE: 2002-10-07
```

```
; PRIOR APPLICATION NUMBER: DE 10019173.8
```

```
; PRIOR FILING DATE: 2000-04-07
```

```
; NUMBER OF SEQ ID NOS: 382046
```

```
; SEQ ID NO 77
```

```
; LENGTH: 13
```

```
; TYPE: DNA
```

```
; ORGANISM: Artificial Sequence
```

```
; FEATURE:
```

```
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0000021
```

```
US-10-257-017B-77
```

```
Query Match      8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 5.9e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY 1403 AAAATTGTAA 1413
Db 1 AAAATTGTAA 11
```

RESULT 125

```
US-10-257-017B-78/c
```

```
; Sequence 78, Application US/10257017B
```

```
; GENERAL INFORMATION:
```

```
; APPLICANT: Alexander Olek
```

```
; APPLICANT: Christian Piepenbrock
```

```
; APPLICANT: Kurt Berlin
```

```
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
```

```
; FILE REFERENCE: E01/1193/WO
```

```
; CURRENT APPLICATION NUMBER: US/10/257,017B
```

```
; CURRENT FILING DATE: 2002-10-07
```

```
; PRIOR APPLICATION NUMBER: DE 10019173.8
```

```
; PRIOR FILING DATE: 2000-04-07
```

```
; NUMBER OF SEQ ID NOS: 382046
```

```
; SEQ ID NO 78
```

```
; LENGTH: 13
```

```
; TYPE: DNA
```

```
; ORGANISM: Artificial Sequence
```

```
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0000021
US-10-257-017B-78
```

```
Query Match      8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 5.9e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY 1403 AAAATTGTAA 1413
Db 13 AAAATTGTAA 3
```

RESULT 126

```
US-10-257-017B-11445
```

```
; Sequence 11445, Application US/10257017B
```

```
; GENERAL INFORMATION:
```

```
; APPLICANT: Alexander Olek
```

```
; APPLICANT: Christian Piepenbrock
```

```
; APPLICANT: Kurt Berlin
```

```
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosi
```

```
; FILE REFERENCE: E01/1193/WO
```

```
; CURRENT APPLICATION NUMBER: US/10/257,017B
```

```
; CURRENT FILING DATE: 2002-10-07
```

```
; PRIOR APPLICATION NUMBER: DE 10019173.8
```

```
; PRIOR FILING DATE: 2000-04-07
```

```
; NUMBER OF SEQ ID NOS: 382046
```

```
; SEQ ID NO 11445
```

```
; LENGTH: 13
```

```
; TYPE: DNA
```

```
; ORGANISM: Artificial Sequence
```

```
; FEATURE:
```

```
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC00002795
```

```
US-10-257-017B-11445
```

```
Query Match      8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 5.9e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY 1402 TAAAATTGTTA 1412
Db 3 TAAAATTGTTA 13
```

RESULT 127

```
US-10-257-017B-11446/c
```

```
; Sequence 11446, Application US/10257017B
```

```
; GENERAL INFORMATION:
```

```
; APPLICANT: Alexander Olek
```

```
; APPLICANT: Christian Piepenbrock
```

```
; APPLICANT: Kurt Berlin
```

```
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosi
```

```
; FILE REFERENCE: E01/1193/WO
```

```
; CURRENT APPLICATION NUMBER: US/10/257,017B
```

```
; CURRENT FILING DATE: 2002-10-07
```

```
; PRIOR APPLICATION NUMBER: DE 10019173.8
```

```
; PRIOR FILING DATE: 2000-04-07
```

```
; NUMBER OF SEQ ID NOS: 382046
```

```
; SEQ ID NO 11446
```

```
; LENGTH: 13
```

```
; TYPE: DNA
```

```
; ORGANISM: Artificial Sequence
```

```
; FEATURE:
```

```
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC00002795
```

```
US-10-257-017B-11446
```

```
Query Match      8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 5.9e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY 1402 TAAAATTGTTA 1412
```

US-10-257-017B-364483/c
; Sequence 364483, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 364483
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0054493
US-10-257-017B-364483

Query Match 8.5%; Score 11; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 6.4e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1400 GGTAATAATTGT 1410
|||||
Db 11 GGTAATAATTGT 1

RESULT 120
US-10-257-017B-378196/c
; Sequence 378196, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 378196
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0062669
US-10-257-017B-378196

Query Match 8.5%; Score 11; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 6.4e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1400 GGTAATAATTGT 1410
|||||
Db 11 GGTAATAATTGT 1

RESULT 121
US-10-257-017B-378197/c
; Sequence 378197, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO

; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 378197
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0062669
US-10-257-017B-378197

Query Match 8.5%; Score 11; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 6.4e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1400 GGTAATAATTGT 1410
|||||
Db 11 GGTAATAATTGT 1

RESULT 122
US-10-257-017B-381382/c
; Sequence 381382, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 381382
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0064322
US-10-257-017B-381382

Query Match 8.5%; Score 11; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 6.4e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1352 AAGAAAATAT 1362
|||||
Db 12 AAGAAAATAT 2

RESULT 123
US-10-661-165-549/c
; Sequence 549, Application US/10661165
; GENERAL INFORMATION:
; APPLICANT: Dhallan, Ravinder S.
; TITLE OF INVENTION: METHODS FOR DETECTION OF GENETIC
; TITLE OF INVENTION: DISORDERS
; FILE REFERENCE: 543312000420
; CURRENT APPLICATION NUMBER: US/10/661,165
; CURRENT FILING DATE: 2003-09-11
; PRIOR APPLICATION NUMBER: PCT/US03/06198
; PRIOR FILING DATE: 2003-02-28
; PRIOR APPLICATION NUMBER: US 60/378,354
; PRIOR FILING DATE: 2002-05-08
; PRIOR APPLICATION NUMBER: US 10/093,618
; PRIOR FILING DATE: 2002-03-11
; PRIOR APPLICATION NUMBER: US 60/360,232
; PRIOR FILING DATE: 2002-03-01
; PRIOR APPLICATION NUMBER: PCT/US03/27308

```
; SEQ ID NO 345115
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0043880
US-10-257-017B-345115
```

```
Query Match      8.5%; Score 11; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 6.4e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
Qy 1352 AAGAAAAATAT 1362
      |||||
Db 1 AAGAAAAATAT 11
```

```
RESULT 115
US-10-257-017B-347793
; Sequence 347793, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 347793
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0045258
US-10-257-017B-347793
```

```
Query Match      8.5%; Score 11; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 6.4e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
Qy 1402 TAAAAATGTTA 1412
      |||||
Db 1 TAAAAATGTTA 11
```

```
RESULT 116
US-10-257-017B-353427/c
; Sequence 353427, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 353427
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0048513
US-10-257-017B-353427
```

```
Query Match      8.5%; Score 11; DB 1; Length 12;
```

```
Best Local Similarity 100.0%; Pred. No. 6.4e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
Qy 1355 AAAAAATATTC 1365
      |||||
Db 1 AAAAAATATTC 1
```

```
RESULT 117
US-10-257-017B-357907/c
; Sequence 357907, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 357907
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0004855
US-10-257-017B-357907
```

```
Query Match      8.5%; Score 11; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 6.4e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
Qy 1407 TTGTTAATGAT 1417
      |||||
Db 12 TTGTTAATGAT 2
```

```
RESULT 118
US-10-257-017B-360594
; Sequence 360594, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 360594
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0052150
US-10-257-017B-360594
```

```
Query Match      8.5%; Score 11; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 6.4e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
Qy 1354 GAAAAATATTC 1364
      |||||
Db 1 GAAAAATATTC 11
```

```
RESULT 119
```

```
Db      12 AAGAAAAAATAT 2

RESULT 110
US-10-257-017B-315231/c
; Sequence 315231, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 315231
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0026789
US-10-257-017B-315231

Query Match      8.5%; Score 11; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 6.4e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1355 AAAAAATATTC 1365
      |||||
Db      11 AAAAAATATTC 1

RESULT 111
US-10-257-017B-334734/c
; Sequence 334734, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 334734
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0038375
US-10-257-017B-334734

Query Match      8.5%; Score 11; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 6.4e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1350 GGAAGAAAAAT 1360
      |||||
Db      12 GGAAGAAAAAT 2

RESULT 112
US-10-257-017B-335063
; Sequence 335063, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
```

```
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 335063
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0038581
US-10-257-017B-335063

Query Match      8.5%; Score 11; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 6.4e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1404 AAATTGTTAAT 1414
      |||||
Db      1 AAATTGTTAAT 11

RESULT 113
US-10-257-017B-338889/c
; Sequence 338889, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 338889
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0040730
US-10-257-017B-338889

Query Match      8.5%; Score 11; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 6.4e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1409 GTTAATGATGA 1419
      |||||
Db      12 GTTAATGATGA 2

RESULT 114
US-10-257-017B-345115
; Sequence 345115, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
```



```
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 282132
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0010466
US-10-257-017B-282132
```

```
Query Match      8.5%; Score 11; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 6.4e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      1401 GTAAAAATTGTT 1411
      |||||
Db      1 GTAAAAATTGTT 11
```

```
RESULT 106
US-10-257-017B-282391/c
; Sequence 282391, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 282391
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0010713
US-10-257-017B-282391
```

```
Query Match      8.5%; Score 11; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 6.4e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      1409 GTTAATGATGA 1419
      |||||
Db      12 GTTAATGATGA 2
```

```
RESULT 107
US-10-257-017B-283665
; Sequence 283665, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 283665
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
```

```
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0011450
US-10-257-017B-283665
```

```
Query Match      8.5%; Score 11; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 6.4e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      1446 TCGAAGATGGG 1456
      |||||
Db      1 TCGAAGATGGG 11
```

```
RESULT 108
US-10-257-017B-285252
; Sequence 285252, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 285252
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonukleotid-Primer
US-10-257-017B-285252
```

```
Query Match      8.5%; Score 11; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 6.4e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      1402 TAAAAATTGTTA 1412
      |||||
Db      2 TAAAAATTGTTA 12
```

```
RESULT 109
US-10-257-017B-288484/c
; Sequence 288484, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 288484
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0013537
US-10-257-017B-288484
```

```
Query Match      8.5%; Score 11; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 6.4e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      1352 AAGAAAAATAT 1362
      |||||
```

```
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1406 ATTGTTAATGATG 1418
Db 13 ATTGTTAACGATG 1
RESULT 101
US-10-257-017B-268599
; Sequence 268599, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 268599
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0001245
US-10-257-017B-268599
Query Match 8.5%; Score 11; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 6.4e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1355 AAAAAATATTCC 1365
Db 2 AAAAAATATTCC 12
RESULT 102
US-10-257-017B-276339
; Sequence 276339, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 276339
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0004157
US-10-257-017B-276339
Query Match 8.5%; Score 11; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 6.4e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1402 TAAATTTGTTA 1412
Db 2 TAAATTTGTTA 12
RESULT 103
US-10-257-017B-279373
```

```
; Sequence 279373, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 279373
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0007280
US-10-257-017B-279373
Query Match 8.5%; Score 11; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 6.4e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1353 AGAAAAATATT 1363
Db 2 AGAAAAATATT 12
RESULT 104
US-10-257-017B-282131
; Sequence 282131, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 282131
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0010466
US-10-257-017B-282131
Query Match 8.5%; Score 11; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 6.4e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1401 GTAAAATTGTT 1411
Db 1 GTAAAATTGTT 11
RESULT 105
US-10-257-017B-282132
; Sequence 282132, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
```

```
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 237020
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0057824
US-10-257-017B-237020

Query Match      8.8%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 4.6e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1361 ATTCCACGCATCA 1373
Db 1 ACTCCACGCATCA 13

RESULT 97
US-10-257-017B-237047
; Sequence 237047, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 237047
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0057828
US-10-257-017B-237047

Query Match      8.8%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 4.6e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1406 ATTGTTAATGATG 1418
Db 1 ATTGTTGATGATG 13

RESULT 98
US-10-257-017B-237048/c
; Sequence 237048, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 237048
```

```
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0057828
US-10-257-017B-237048

Query Match      8.8%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 4.6e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1406 ATTGTTAATGATG 1418
Db 13 ATTGTTGATGATG 1

RESULT 99
US-10-257-017B-237049
; Sequence 237049, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 237049
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0057828
US-10-257-017B-237049

Query Match      8.8%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 4.6e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1406 ATTGTTAATGATG 1418
Db 1 ATTGTTAACGATG 13

RESULT 100
US-10-257-017B-237050/c
; Sequence 237050, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 237050
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0057828
US-10-257-017B-237050

Query Match      8.8%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 4.6e+02;
```

US-10-257-017B-223955

Query Match 8.8%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 4.6e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1355 AAAAATATTCCAC 1367
| | | | | | | | | | | | | |
Db 13 AAAAATATTCTAC 1

RESULT 92

US-10-257-017B-223956
; Sequence 223956, Application US/10257017B

; GENERAL INFORMATION:

; APPLICANT: Alexander Olek

; APPLICANT: Christian Piepenbrock

; APPLICANT: Kurt Berlin

; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine

; FILE REFERENCE: E01/1193/WO

; CURRENT APPLICATION NUMBER: US/10/257,017B

; PRIOR FILING DATE: 2002-10-07

; PRIOR APPLICATION NUMBER: DE 10019173.8

; NUMBER OF SEQ ID NOS: 382046

; SEQ ID NO 223956

; LENGTH: 13

; TYPE: DNA

; ORGANISM: Artificial Sequence

; FEATURE:

; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0054559

US-10-257-017B-223956

Query Match 8.8%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 4.6e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1355 AAAAATATTCCAC 1367
| | | | | | | | | | | | | |
Db 1 AAAAATATTCTAC 13

RESULT 93

US-10-257-017B-231559
; Sequence 231559, Application US/10257017B

; GENERAL INFORMATION:

; APPLICANT: Alexander Olek

; APPLICANT: Christian Piepenbrock

; APPLICANT: Kurt Berlin

; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine

; FILE REFERENCE: E01/1193/WO

; CURRENT APPLICATION NUMBER: US/10/257,017B

; PRIOR FILING DATE: 2002-10-07

; PRIOR APPLICATION NUMBER: DE 10019173.8

; NUMBER OF SEQ ID NOS: 382046

; SEQ ID NO 231559

; LENGTH: 13

; TYPE: DNA

; ORGANISM: Artificial Sequence

; FEATURE:

; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0056462

US-10-257-017B-231559

Query Match 8.8%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 4.6e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1403 AAAAATGTTAATG 1415
| | | | | | | | | | | | | |
Db 1 AAAAATGATAATG 13

RESULT 94
US-10-257-017B-231560/c
; Sequence 231560, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 231560
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0056462
US-10-257-017B-231560

Query Match 8.8%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 4.6e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1403 AAAAATGTTAATG 1415
| | | | | | | | | | | | | |
Db 13 AAAAATGATAATG 1

RESULT 95

US-10-257-017B-237019/c
; Sequence 237019, Application US/10257017B

; GENERAL INFORMATION:

; APPLICANT: Alexander Olek

; APPLICANT: Christian Piepenbrock

; APPLICANT: Kurt Berlin

; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine

; FILE REFERENCE: E01/1193/WO

; CURRENT APPLICATION NUMBER: US/10/257,017B

; CURRENT FILING DATE: 2002-10-07

; PRIOR APPLICATION NUMBER: DE 10019173.8

; PRIOR FILING DATE: 2000-04-07

; NUMBER OF SEQ ID NOS: 382046

; SEQ ID NO 237019

; LENGTH: 13

; TYPE: DNA

; ORGANISM: Artificial Sequence

; FEATURE:

; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0057824

US-10-257-017B-237019

Query Match 8.8%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 4.6e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1361 ATTCCACGCATCA 1373
| | | | | | | | | | | | | |
Db 13 ACTCCACGCATCA 1

RESULT 96

US-10-257-017B-237020
; Sequence 237020, Application US/10257017B

; GENERAL INFORMATION:

; APPLICANT: Alexander Olek

; APPLICANT: Christian Piepenbrock

; APPLICANT: Kurt Berlin


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; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 216235
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0052586
US-10-257-017B-216235

Query Match      8.8%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 4.6e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1404 AAATTGTTAATGA 1416
Db 1 AAATTGATAATGA 13

RESULT 88
US-10-257-017B-216236/c
; Sequence 216236, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 216236
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0052586
US-10-257-017B-216236

Query Match      8.8%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 4.6e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1404 AAATTGTTAATGA 1416
Db 13 AAATTGATAATGA 1

RESULT 89
US-10-257-017B-221379
; Sequence 221379, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
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```
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 221379
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0053879
US-10-257-017B-221379

Query Match      8.8%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 4.6e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1347 AGGGGAAGAAAA 1359
Db 1 AGGGGAAGAAAA 13

RESULT 90
US-10-257-017B-221380/c
; Sequence 221380, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 221380
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0053879
US-10-257-017B-221380

Query Match      8.8%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 4.6e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1347 AGGGGAAGAAAA 1359
Db 13 AGGGGAAGAAAA 1

RESULT 91
US-10-257-017B-223955/c
; Sequence 223955, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 223955
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0054559
```

; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0043213
US-10-257-017B-173478

Query Match 8.8%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 4.6e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1356 AAAATATTCCACG 1368
| | | | | | | | | |
Db 1 AAAATACTCCACG 13

RESULT 83
US-10-257-017B-189805/c
; Sequence 189805, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 189805
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0046704
US-10-257-017B-189805

Query Match 8.8%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 4.6e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1356 AAAATATTCCACG 1368
| | | | | | | | | |
Db 13 ACAATATTCCACG 1

RESULT 84
US-10-257-017B-189806
; Sequence 189806, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 189806
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0046704
US-10-257-017B-189806

Query Match 8.8%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 4.6e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1356 AAAATATTCCACG 1368
| | | | | | | | | |
Db 1 ACAATATTCCACG 13

RESULT 85
US-10-257-017B-216233
; Sequence 216233, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 216233
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0052586
US-10-257-017B-216233

Query Match 8.8%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 4.6e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1404 AAATTGTTAATGA 1416
| | | | | | | | | |
Db 1 AAATTGGTAATGA 13

RESULT 86
US-10-257-017B-216234/c
; Sequence 216234, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 216234
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0052586
US-10-257-017B-216234

Query Match 8.8%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 4.6e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1404 AAATTGTTAATGA 1416
| | | | | | | | | |
Db 13 AAATTGGTAATGA 1

RESULT 87
US-10-257-017B-216235
; Sequence 216235, Application US/10257017B

```
RESULT 78
US-10-257-017B-171584/c
; Sequence 171584, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 171584
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0042775
US-10-257-017B-171584
```

```
Query Match      8.8%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 4.6e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
```

```
QY 1405 AATTGTTAATGAT 1417
||| |||||
Db 13 AATAGTTAATGAT 1
```

```
RESULT 79
US-10-257-017B-172419
; Sequence 172419, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 172419
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0042981
US-10-257-017B-172419
```

```
Query Match      8.8%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 4.6e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
```

```
QY 1406 ATTGTTAATGATG 1418
||| |||||
Db 1 ATTGTTAATGTTG 13
```

```
RESULT 80
US-10-257-017B-172420/c
; Sequence 172420, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
```

```
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 172420
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0042981
US-10-257-017B-172420
```

```
Query Match      8.8%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 4.6e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
```

```
QY 1406 ATTGTTAATGATG 1418
||| |||||
Db 13 ATTGTTAATGTTG 1
```

```
RESULT 81
US-10-257-017B-173477/c
; Sequence 173477, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 173477
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0043213
US-10-257-017B-173477
```

```
Query Match      8.8%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 4.6e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
```

```
QY 1356 AAAATATTCCACG 1368
||| |||||
Db 13 AAAATACTCCACG 1
```

```
RESULT 82
US-10-257-017B-173478
; Sequence 173478, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 173478
; LENGTH: 13
```

US-10-257-017B-161089

QY 1352 AAGAAAAATATTC 1364
||| ||||| |||||
Db 1 AAAAAAAATATTC 13

RESULT 69

US-10-257-017B-151701
; Sequence 151701, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 151701
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0038332
US-10-257-017B-151701

Query Match 8.8%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 4.6e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1400 GGTAAAAATTGTTA 1412
| ||||| |||||
Db 1 GTTAAAAATTGTTA 13

RESULT 70

US-10-257-017B-151702/c
; Sequence 151702, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 151702
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0038332
US-10-257-017B-151702

Query Match 8.8%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 4.6e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1400 GGTAAAAATTGTTA 1412
| ||||| |||||
Db 13 GTTAAAAATTGTTA 1

RESULT 71

US-10-257-017B-154357
; Sequence 154357, Application US/10257017B
; GENERAL INFORMATION:

; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 154357
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0039007
US-10-257-017B-154357

Query Match 8.8%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 4.6e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1447 GGAAGATGGGTTG 1459
| ||||| |||||
Db 1 GAAAGATGGGTTG 13

RESULT 72

US-10-257-017B-154358/c
; Sequence 154358, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 154358
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0039007
US-10-257-017B-154358

Query Match 8.8%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 4.6e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1447 GGAAGATGGGTTG 1459
| ||||| |||||
Db 13 GAAAGATGGGTTG 1

RESULT 73

US-10-257-017B-154795/c
; Sequence 154795, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8

```
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 138954
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0034809
US-10-257-017B-138954

Query Match      8.8%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 4.6e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1403 AAAATTGTTAATG 1415
Db 13 AAAATTGTTAAGG 1

RESULT 65
US-10-257-017B-145723
; Sequence 145723, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 145723
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0036706
US-10-257-017B-145723

Query Match      8.8%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 4.6e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1406 ATTGTTAATGATG 1418
Db 1 ATTGTTAATGAAG 13

RESULT 66
US-10-257-017B-145724/c
; Sequence 145724, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 145724
; LENGTH: 13
; TYPE: DNA
```

```
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0036706
US-10-257-017B-145724

Query Match      8.8%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 4.6e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1406 ATTGTTAATGATG 1418
Db 13 ATTGTTAATGAAG 1

RESULT 67
US-10-257-017B-150141/c
; Sequence 150141, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 150141
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0037898
US-10-257-017B-150141

Query Match      8.8%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 4.6e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1352 AAGAAAAATATTC 1364
Db 13 AAAAAAATATTC 1

RESULT 68
US-10-257-017B-150142
; Sequence 150142, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 150142
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0037898
US-10-257-017B-150142

Query Match      8.8%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 4.6e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
```

Query Match 8.8%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 4.6e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1396 AGGAGGTAAATT 1408
Db 1 ACTAGGTAAATT 13

RESULT 60
US-10-257-017B-137374/c
; Sequence 137374, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 137374
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0034317
US-10-257-017B-137374

Query Match 8.8%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 4.6e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1396 AGGAGGTAAATT 1408
Db 13 ACTAGGTAAATT 1

RESULT 61
US-10-257-017B-137723
; Sequence 137723, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 137723
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0034420
US-10-257-017B-137723

Query Match 8.8%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 4.6e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1401 GTAAATTGTTAA 1413
Db 1 GAAAAATTGTTAA 13

RESULT 62
US-10-257-017B-137724/c
; Sequence 137724, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 137724
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0034420
US-10-257-017B-137724

Query Match 8.8%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 4.6e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1401 GTAAATTGTTAA 1413
Db 13 GAAAAATTGTTAA 1

RESULT 63
US-10-257-017B-138953
; Sequence 138953, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 138953
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0034809
US-10-257-017B-138953

Query Match 8.8%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 4.6e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1403 AAAATTGTTAATG 1415
Db 1 AAAATTGTTAAGG 13

RESULT 64
US-10-257-017B-138954/c
; Sequence 138954, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations

```
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 99881
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0024826
US-10-257-017B-99881

Query Match      8.8%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 4.6e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1402 TAAATTTGTTAAT 1414
   ||||| ||||| |||||
Db 1 TAAATTTGTTAAT 13

RESULT 56
US-10-257-017B-99882/c
; Sequence 99882, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 99882
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0024826
US-10-257-017B-99882

Query Match      8.8%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 4.6e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1402 TAAATTTGTTAAT 1414
   ||||| ||||| |||||
Db 13 TAAATTTGTTAAT 1

RESULT 57
US-10-257-017B-136991/c
; Sequence 136991, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
```

```
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 136991
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0034234
US-10-257-017B-136991
```

```
Query Match      8.8%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 4.6e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
```

```
Qy 1361 ATTCCACGCATCA 1373
   ||||| ||||| |||||
Db 13 AATCCACGCATCA 1
```

```
RESULT 58
US-10-257-017B-136992
; Sequence 136992, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 136992
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0034234
US-10-257-017B-136992
```

```
Query Match      8.8%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 4.6e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
```

```
Qy 1361 ATTCCACGCATCA 1373
   ||||| ||||| |||||
Db 1 AATCCACGCATCA 13
```

```
RESULT 59
US-10-257-017B-137373
; Sequence 137373, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 137373
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0034317
US-10-257-017B-137373
```


; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0021078
US-10-257-017B-83730

Query Match 8.8%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 4.6e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1448 GAAGATGGGTGA 1460
||| |||||
Db 13 GATGATGGGTGA 1

RESULT 51
US-10-257-017B-85503
; Sequence 85503, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 85503
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0021486
US-10-257-017B-85503

Query Match 8.8%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 4.6e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1403 AAAATTGTTAATG 1415
||| |||||
Db 1 AAAATTGTTATG 13

RESULT 52
US-10-257-017B-85504/c
; Sequence 85504, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 85504
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0021486
US-10-257-017B-85504

Query Match 8.8%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 4.6e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1403 AAAATTGTTAATG 1415

Db 13 AAAATTGTTATG 1
||| |||||

RESULT 53
US-10-257-017B-97197
; Sequence 97197, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 97197
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0024108
US-10-257-017B-97197

Query Match 8.8%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 4.6e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1400 GGTAATAATTGTTA 1412
||| |||||
Db 1 GGTAATAATTTTA 13

RESULT 54
US-10-257-017B-97198/c
; Sequence 97198, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 97198
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0024108
US-10-257-017B-97198

Query Match 8.8%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 4.6e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1400 GGTAATAATTGTTA 1412
||| |||||
Db 13 GGTAATAATTTTA 1

RESULT 55
US-10-257-017B-99881
; Sequence 99881, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek

```
US-10-257-017B-64670/c
; Sequence 64670, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 64670
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0017054
US-10-257-017B-64670
```

```
Query Match      8.8%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 4.6e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
```

```
QY 1347 AGGGGAGAGAAAA 1359
      ||||| |||||
Db 13 AGGGGAGAGAAAAA 1
```

RESULT 47

```
US-10-257-017B-66953
; Sequence 66953, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 66953
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0017542
US-10-257-017B-66953
```

```
Query Match      8.8%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 4.6e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
```

```
QY 1447 GGAAGATGGGTTG 1459
      ||||| |||||
Db 1 GGAAGATGGGTTG 13
```

RESULT 48

```
US-10-257-017B-66954/c
; Sequence 66954, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
```

```
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 66954
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0017542
US-10-257-017B-66954
```

```
Query Match      8.8%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 4.6e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
```

```
QY 1447 GGAAGATGGGTTG 1459
      ||||| |||||
Db 13 GGAAGATGGGTTG 1
```

RESULT 49

```
US-10-257-017B-83729
; Sequence 83729, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 83729
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0021078
US-10-257-017B-83729
```

```
Query Match      8.8%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 4.6e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
```

```
QY 1448 GAAGATGGGTTGA 1460
      ||||| |||||
Db 1 GATGATGGGTTGA 13
```

RESULT 50

```
US-10-257-017B-83730/c
; Sequence 83730, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 83730
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
```

```
; SEQ ID NO 63939
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0016878
US-10-257-017B-63939

Query Match      8.8%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 4.6e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1407 TTGTTAATGATGA 1419
Db 1 TTGTTAATGTTGA 13

RESULT 42
US-10-257-017B-63940/c
; Sequence 63940, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 63940
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0016878
US-10-257-017B-63940

Query Match      8.8%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 4.6e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1407 TTGTTAATGATGA 1419
Db 13 TTGTTAATGTTGA 1

RESULT 43
US-10-257-017B-64463
; Sequence 64463, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 64463
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0017001
US-10-257-017B-64463

Query Match      8.8%; Score 11.4; DB 1; Length 13;
```

```
Best Local Similarity 92.3%; Pred. No. 4.6e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1407 TTGTTAATGATGA 1419
Db 1 TTTTAAATGATGA 13

RESULT 44
US-10-257-017B-64464/c
; Sequence 64464, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 64464
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0017001
US-10-257-017B-64464

Query Match      8.8%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 4.6e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1407 TTGTTAATGATGA 1419
Db 13 TTTTAAATGATGA 1

RESULT 45
US-10-257-017B-64669
; Sequence 64669, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 64669
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0017054
US-10-257-017B-64669

Query Match      8.8%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 4.6e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1347 AGGGGAAGAAAA 1359
Db 1 AGGGGAAGAAAA 13

RESULT 46
```

```
Db          13 TAAAAATGTTTAT 1
;
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosin
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 59939
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0016022
US-10-257-017B-59939

Query Match          8.8%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 4.6e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY          1402 TAAAAATGTTTAAAT 1414
||||| |||||||
Db          1 TAAAAATGTTTAAAT 13

RESULT 40
US-10-257-017B-59940/c
; Sequence 59940, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosir
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 59940
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0016022
US-10-257-017B-59940

Query Match          8.8%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 4.6e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY          1402 TAAAAATGTTTAAAT 1414
||||| |||||||
Db          13 TAAAAATGTTTAAAT 1

RESULT 41
US-10-257-017B-63939
; Sequence 63939, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosir
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
;

Db          13 TAAAAATGTTTAAAT 1

US-10-257-017B-56899
; Sequence 56899, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 56899
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0015400
US-10-257-017B-56899

Query Match          8.8%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 4.6e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY          1403 AAAAATGTTTAATG 1415
||||| |||||||
Db          1 AAAAATGTTTAATG 13

RESULT 38
US-10-257-017B-56900/c
; Sequence 56900, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 56900
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0015400
US-10-257-017B-56900

Query Match          8.8%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 4.6e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY          1403 AAAAATGTTTAATG 1415
||||| |||||||
Db          13 AAAAATGTTTAATG 1

RESULT 39
US-10-257-017B-59939
; Sequence 59939, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
```



```
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 38156
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0011826
US-10-257-017B-38156
```

```
Query Match      8.8%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 4.6e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
```

```
QY 1361 ATTCCACGCATCA 1373
Db 1 ATTCCACCCATCA 13
```

RESULT 33

```
US-10-257-017B-44789
; Sequence 44789, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 44789
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0013109
US-10-257-017B-44789
```

```
Query Match      8.8%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 4.6e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
```

```
QY 1394 AAAGGAGGTAAAA 1406
Db 1 AAAGGAGGTAATA 13
```

RESULT 34

```
US-10-257-017B-44790/c
; Sequence 44790, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 44790
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
```

```
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0013109
US-10-257-017B-44790
```

```
Query Match      8.8%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 4.6e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
```

```
QY 1394 AAAGGAGGTAAAA 1406
Db 13 AAAGGAGGTAATA 1
```

RESULT 35

```
US-10-257-017B-46249
; Sequence 46249, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 46249
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0013388
US-10-257-017B-46249
```

```
Query Match      8.8%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 4.6e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
```

```
QY 1402 TAAAATTGTTAAT 1414
Db 1 TAAAATTGTTAT 13
```

RESULT 36

```
US-10-257-017B-46250/c
; Sequence 46250, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 46250
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0013388
US-10-257-017B-46250
```

```
Query Match      8.8%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 4.6e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
```

```
QY 1402 TAAAATTGTTAAT 1414
Db 1 TAAAATTGTTAT 13
```

```
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1401 GTAAAAATTGTTA 1412
Db 2 GTAAAAATTGTTA 13

RESULT 28
US-10-257-017B-245004/c
; Sequence 245004, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 245004
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0059825
US-10-257-017B-245004

Query Match 9.2%; Score 12; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 3.2e+02;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1401 GTAAAAATTGTTA 1412
Db 12 GTAAAAATTGTTA 1

RESULT 29
US-10-257-017B-189699/c
; Sequence 189699, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 189699
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0046671
US-10-257-017B-189699

Query Match 8.9%; Score 11.6; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 4.1e+02;
Matches 11; Conservative 1; Mismatches 0; Indels 0; Gaps 0;
QY 1354 GAAAAAATATTCC 1365
Db 13 RAAAAAATATTCC 2

RESULT 30
US-10-257-017B-189700
```

```
; Sequence 189700, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 189700
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0046671
US-10-257-017B-189700

Query Match 8.9%; Score 11.6; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 4.1e+02;
Matches 11; Conservative 1; Mismatches 0; Indels 0; Gaps 0;
QY 1354 GAAAAAATATTCC 1365
Db 1 RAAAAAATATTCC 12

RESULT 31
US-10-257-017B-38155/c
; Sequence 38155, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 38155
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0011826
US-10-257-017B-38155

Query Match 8.8%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 4.6e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1361 ATTCCACGCATCA 1373
Db 13 ATTCCACCCATCA 1

RESULT 32
US-10-257-017B-38156
; Sequence 38156, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
```

```
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 158575
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0039915
US-10-257-017B-158575

Query Match          9.2%; Score 12; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 3.2e+02;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1402 TAAAATTGTTAA 1413
Db 1 TAAAATTGTTAA 12

RESULT 24
US-10-257-017B-158576/c
; Sequence 158576, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 158576
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0039915
US-10-257-017B-158576

Query Match          9.2%; Score 12; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 3.2e+02;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1402 TAAAATTGTTAA 1413
Db 13 TAAAATTGTTAA 2

RESULT 25
US-10-257-017B-173475/c
; Sequence 173475, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 173475
```

```
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0043213
US-10-257-017B-173475

Query Match          9.2%; Score 12; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 3.2e+02;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1356 AAAATATTCCAC 1367
Db 13 AAAATATTCCAC 2

RESULT 26
US-10-257-017B-173476
; Sequence 173476, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 173476
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0043213
US-10-257-017B-173476

Query Match          9.2%; Score 12; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 3.2e+02;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1356 AAAATATTCCAC 1367
Db 1 AAAATATTCCAC 12

RESULT 27
US-10-257-017B-245003
; Sequence 245003, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 245003
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0059825
US-10-257-017B-245003

Query Match          9.2%; Score 12; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 3.2e+02;
```

US-10-257-017B-95978

Query Match 9.2%; Score 12; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 3.2e+02;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1407 TTGTTAATGATG 1418
|||||
Db 12 TTGTTAATGATG 1

RESULT 19

US-10-257-017B-122875
; Sequence 122875, Application US/10257017B

; GENERAL INFORMATION:

; APPLICANT: Alexander Olek

; APPLICANT: Christian Piepenbrock

; APPLICANT: Kurt Berlin

; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine

; TITLE OF INVENTION: methylations

; FILE REFERENCE: E01/1193/WO

; CURRENT APPLICATION NUMBER: US/10/257,017B

; CURRENT FILING DATE: 2002-10-07

; PRIOR APPLICATION NUMBER: DE 10019173.8

; PRIOR FILING DATE: 2000-04-07

; NUMBER OF SEQ ID NOS: 382046

; SEQ ID NO 122875

; LENGTH: 13

; TYPE: DNA

; ORGANISM: Artificial Sequence

; FEATURE:

; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0030713

US-10-257-017B-122875

Query Match

9.2%; Score 12; DB 1; Length 13;

Best Local Similarity 100.0%; Pred. No. 3.2e+02;

Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1403 AAAATTGTTAAT 1414

|||||

Db 1 AAAATTGTTAAT 12

RESULT 20

US-10-257-017B-122876/c

; Sequence 122876, Application US/10257017B

; GENERAL INFORMATION:

; APPLICANT: Alexander Olek

; APPLICANT: Christian Piepenbrock

; APPLICANT: Kurt Berlin

; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine

; TITLE OF INVENTION: methylations

; FILE REFERENCE: E01/1193/WO

; CURRENT APPLICATION NUMBER: US/10/257,017B

; CURRENT FILING DATE: 2002-10-07

; PRIOR APPLICATION NUMBER: DE 10019173.8

; PRIOR FILING DATE: 2000-04-07

; NUMBER OF SEQ ID NOS: 382046

; SEQ ID NO 122876

; LENGTH: 13

; TYPE: DNA

; ORGANISM: Artificial Sequence

; FEATURE:

; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0030713

US-10-257-017B-122876

Query Match

9.2%; Score 12; DB 1; Length 13;

Best Local Similarity 100.0%; Pred. No. 3.2e+02;

Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1403 AAAATTGTTAAT 1414

|||||

Db 13 AAAATTGTTAAT 2

RESULT 21

US-10-257-017B-142019

; Sequence 142019, Application US/10257017B

; GENERAL INFORMATION:

; APPLICANT: Alexander Olek

; APPLICANT: Christian Piepenbrock

; APPLICANT: Kurt Berlin

; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine

; TITLE OF INVENTION: methylations

; FILE REFERENCE: E01/1193/WO

; CURRENT APPLICATION NUMBER: US/10/257,017B

; CURRENT FILING DATE: 2002-10-07

; PRIOR APPLICATION NUMBER: DE 10019173.8

; PRIOR FILING DATE: 2000-04-07

; NUMBER OF SEQ ID NOS: 382046

; SEQ ID NO 142019

; LENGTH: 13

; TYPE: DNA

; ORGANISM: Artificial Sequence

; FEATURE:

; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0035574

US-10-257-017B-142019

Query Match

9.2%; Score 12; DB 1; Length 13;

Best Local Similarity 100.0%; Pred. No. 3.2e+02;

Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1348 GGGGAAGAAAAA 1359

|||||

Db 2 GGGGAAGAAAAA 13

RESULT 22

US-10-257-017B-142020/c

; Sequence 142020, Application US/10257017B

; GENERAL INFORMATION:

; APPLICANT: Alexander Olek

; APPLICANT: Christian Piepenbrock

; APPLICANT: Kurt Berlin

; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine

; TITLE OF INVENTION: methylations

; FILE REFERENCE: E01/1193/WO

; CURRENT APPLICATION NUMBER: US/10/257,017B

; CURRENT FILING DATE: 2002-10-07

; PRIOR APPLICATION NUMBER: DE 10019173.8

; PRIOR FILING DATE: 2000-04-07

; NUMBER OF SEQ ID NOS: 382046

; SEQ ID NO 142020

; LENGTH: 13

; TYPE: DNA

; ORGANISM: Artificial Sequence

; FEATURE:

; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0035574

US-10-257-017B-142020

Query Match

9.2%; Score 12; DB 1; Length 13;

Best Local Similarity 100.0%; Pred. No. 3.2e+02;

Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1348 GGGGAAGAAAAA 1359

|||||

Db 12 GGGGAAGAAAAA 1

RESULT 23

US-10-257-017B-158575

; Sequence 158575, Application US/10257017B

; GENERAL INFORMATION:

; APPLICANT: Alexander Olek

; APPLICANT: Christian Piepenbrock

; APPLICANT: Kurt Berlin


```
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 275206
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0003823
US-10-257-017B-275206

Query Match          9.2%; Score 12; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 3.5e+02;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1397 GGAGGTAAATTT 1408
Db 12 GGAGGTAAATTT 1

RESULT 15
US-10-257-017B-358611
; Sequence 358611, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 358611
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0006594
US-10-257-017B-358611

Query Match          9.2%; Score 12; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 3.5e+02;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1408 TGTAAATGATGA 1419
Db 1 TGTAAATGATGA 12

RESULT 16
US-10-257-017B-370810/c
; Sequence 370810, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
```

```
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 370810
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0058409
US-10-257-017B-370810
```

```
Query Match          9.2%; Score 12; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 3.5e+02;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY 1350 GGAAGAAAAATA 1361
Db 12 GGAAGAAAAATA 1
```

```
RESULT 17
US-10-257-017B-95977
; Sequence 95977, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 95977
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0023864
US-10-257-017B-95977
```

```
Query Match          9.2%; Score 12; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 3.2e+02;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY 1407 TTGTTAATGATG 1418
Db 2 TTGTTAATGATG 13
```

```
RESULT 18
US-10-257-017B-95978/c
; Sequence 95978, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 95978
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0023864
```

; SEQ ID NO 149
; LENGTH: 19
; TYPE: DNA
; ORGANISM: homo sapiens
PCT-US03-32805-149

Query Match 10.6%; Score 13.8; DB 1; Length 19;
Best Local Similarity 88.2%; Pred. No. 72;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1385 CTTCTGATCAAGGAGG 1401
||||| ||||| ||||| |||||
Db 19 CTTCAGAGCAAAGGAGG 3

RESULT 10

US-10-257-017B-173479/c
; Sequence 173479, Application US/10257017B

; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 173479
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0043213
US-10-257-017B-173479

Query Match 10.0%; Score 13; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.7e+02;
Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1356 AAAATATTCACG 1368
||||| ||||| ||||| |||||
Db 13 AAAATATTCACG 1

RESULT 11

US-10-257-017B-173480
; Sequence 173480, Application US/10257017B

; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 173480
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0043213
US-10-257-017B-173480

Query Match 10.0%; Score 13; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.7e+02;
Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1356 AAAATATTCACG 1368
||||| ||||| ||||| |||||
Db 1 AAAATATTCACG 13

RESULT 12

US-10-257-017B-237045
; Sequence 237045, Application US/10257017B

; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 237045
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0057828
US-10-257-017B-237045

Query Match 10.0%; Score 13; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.7e+02;
Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1406 ATTGTTAATGATG 1418
||||| ||||| ||||| |||||
Db 1 ATTGTTAATGATG 13

RESULT 13

US-10-257-017B-237046/c
; Sequence 237046, Application US/10257017B

; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 237046
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0057828
US-10-257-017B-237046

Query Match 10.0%; Score 13; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.7e+02;
Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1406 ATTGTTAATGATG 1418
||||| ||||| ||||| |||||
Db 13 ATTGTTAATGATG 1

RESULT 14

US-10-257-017B-275206/c
; Sequence 275206, Application US/10257017B

```

; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR DIAGNOSING AND TREATING COLON
; TITLE OF INVENTION: CANCERS
; FILE REFERENCE: AM100927 (031896-002000)
; CURRENT APPLICATION NUMBER: PCT/US04/00035
; CURRENT FILING DATE: 2004-01-06
; PRIOR APPLICATION NUMBER: US Provisional Application 60/438,000
; PRIOR FILING DATE: 2003-01-06
; NUMBER OF SEQ ID NOS: 54873
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 28417
; LENGTH: 21
; TYPE: DNA
; ORGANISM: homo sapiens
PCT-US04-00035-28417

Query Match      11.4%; Score 14.8; DB 1; Length 21;
Best Local Similarity 88.9%; Pred. No. 35;
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      1430 TATGCAGACATATACATG 1447
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Db      3 TGTGCACACATATACATG 20

RESULT 5
PCT-US04-00035-28414
; Sequence 28414, Application PC/TUS0400035
; GENERAL INFORMATION:
; APPLICANT: Wyeth
; APPLICANT: Martinez, Robert
; APPLICANT: Brown, Eugene
; APPLICANT: Liu, Wei
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR DIAGNOSING AND TREATING COLON
; TITLE OF INVENTION: CANCERS
; FILE REFERENCE: AM100927 (031896-002000)
; CURRENT APPLICATION NUMBER: PCT/US04/00035
; CURRENT FILING DATE: 2004-01-06
; PRIOR APPLICATION NUMBER: US Provisional Application 60/438,000
; PRIOR FILING DATE: 2003-01-06
; NUMBER OF SEQ ID NOS: 54873
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 28414
; LENGTH: 21
; TYPE: DNA
; ORGANISM: homo sapiens
PCT-US04-00035-28414

Query Match      11.4%; Score 14.8; DB 1; Length 21;
Best Local Similarity 88.9%; Pred. No. 35;
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      1430 TATGCAGACATATACATG 1447
      | ||| ||||| ||||| |||
Db      4 TGTGCACACATATACATG 21

RESULT 6
PCT-US04-00035-28415
; Sequence 28415, Application PC/TUS0400035
; GENERAL INFORMATION:
; APPLICANT: Wyeth
; APPLICANT: Martinez, Robert
; APPLICANT: Brown, Eugene
; APPLICANT: Liu, Wei
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR DIAGNOSING AND TREATING COLON
; TITLE OF INVENTION: CANCERS
; FILE REFERENCE: AM100927 (031896-002000)
; CURRENT APPLICATION NUMBER: PCT/US04/00035
; CURRENT FILING DATE: 2004-01-06
; PRIOR APPLICATION NUMBER: US Provisional Application 60/438,000
; PRIOR FILING DATE: 2003-01-06
; NUMBER OF SEQ ID NOS: 54873
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 28415
; LENGTH: 21
; TYPE: RNA
; ORGANISM: RNAl
PCT-US04-00035-28415

Query Match      11.4%; Score 14.8; DB 1; Length 21;
Best Local Similarity 61.1%; Pred. No. 35;
Matches 11; Conservative 5; Mismatches 2; Indels 0; Gaps 0;

QY      1430 TATGCAGACATATACATG 1447
      : ||| ||||| : ||| :
Db      2 UGUGCACACAUUACAUG 19

RESULT 7
PCT-US04-00035-28417
; Sequence 28417, Application PC/TUS0400035
; GENERAL INFORMATION:
; APPLICANT: Wyeth
; APPLICANT: Martinez, Robert
; APPLICANT: Brown, Eugene
; APPLICANT: Liu, Wei

; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR DIAGNOSING AND TREATING COLON
; TITLE OF INVENTION: CANCERS
; FILE REFERENCE: AM100927 (031896-002000)
; CURRENT APPLICATION NUMBER: PCT/US04/00035
; CURRENT FILING DATE: 2004-01-06
; PRIOR APPLICATION NUMBER: US Provisional Application 60/438,000
; PRIOR FILING DATE: 2003-01-06
; NUMBER OF SEQ ID NOS: 54873
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 28417
; LENGTH: 21
; TYPE: DNA
; ORGANISM: homo sapiens
PCT-US04-00035-28417

Query Match      11.4%; Score 14.8; DB 1; Length 21;
Best Local Similarity 88.9%; Pred. No. 35;
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      1430 TATGCAGACATATACATG 1447
      | ||| ||||| ||||| |||
Db      3 TGTGCACACATATACATG 20

RESULT 8
PCT-US04-00035-28418
; Sequence 28418, Application PC/TUS0400035
; GENERAL INFORMATION:
; APPLICANT: Wyeth
; APPLICANT: Martinez, Robert
; APPLICANT: Brown, Eugene
; APPLICANT: Liu, Wei
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR DIAGNOSING AND TREATING COLON
; TITLE OF INVENTION: CANCERS
; FILE REFERENCE: AM100927 (031896-002000)
; CURRENT APPLICATION NUMBER: PCT/US04/00035
; CURRENT FILING DATE: 2004-01-06
; PRIOR APPLICATION NUMBER: US Provisional Application 60/438,000
; PRIOR FILING DATE: 2003-01-06
; NUMBER OF SEQ ID NOS: 54873
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 28418
; LENGTH: 21
; TYPE: RNA
; ORGANISM: RNAl
PCT-US04-00035-28418

Query Match      11.4%; Score 14.8; DB 1; Length 21;
Best Local Similarity 61.1%; Pred. No. 35;
Matches 11; Conservative 5; Mismatches 2; Indels 0; Gaps 0;

QY      1430 TATGCAGACATATACATG 1447
      : ||| ||||| : ||| :
Db      1 UGUGCACACAUUACAUG 18

RESULT 9
PCT-US03-32805-149/c
; Sequence 149, Application PC/TUS0332805
; GENERAL INFORMATION:
; APPLICANT: deCODE Genetics ehf.
; APPLICANT: Helgadottir, Anna
; APPLICANT: Gulcher, Jeffrey R.
; APPLICANT: Manolescu, Andrei
; TITLE OF INVENTION: Susceptibility Gene for Myocardial
; TITLE OF INVENTION: Infarction
; FILE REFERENCE: 2345.2048002
; CURRENT APPLICATION NUMBER: PCT/US03/32805
; CURRENT FILING DATE: 2003-10-16
; PRIOR APPLICATION NUMBER: 60/419,432
; PRIOR FILING DATE: 2002-10-17
; NUMBER OF SEQ ID NOS: 535
; SOFTWARE: FastSeq for Windows Version 4.0
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983	10	7.7	13	1	US-10-257-017B-223703	Sequence	223703,
c 984	10	7.7	13	1	US-10-257-017B-223704	Sequence	223704,
985	10	7.7	13	1	US-10-257-017B-223829	Sequence	223829,
c 986	10	7.7	13	1	US-10-257-017B-223830	Sequence	223830,
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989	10	7.7	13	1	US-10-257-017B-225649	Sequence	225649,
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991	10	7.7	13	1	US-10-257-017B-226099	Sequence	226099,
c 992	10	7.7	13	1	US-10-257-017B-226100	Sequence	226100,
993	10	7.7	13	1	US-10-257-017B-228869	Sequence	228869,
c 994	10	7.7	13	1	US-10-257-017B-228870	Sequence	228870,
c 995	10	7.7	13	1	US-10-257-017B-232897	Sequence	232897,
996	10	7.7	13	1	US-10-257-017B-232898	Sequence	232898,
997	10	7.7	13	1	US-10-257-017B-234087	Sequence	234087,
c 998	10	7.7	13	1	US-10-257-017B-234088	Sequence	234088,
999	10	7.7	13	1	US-10-257-017B-235997	Sequence	235997,
c1000	10	7.7	13	1	US-10-257-017B-235998	Sequence	235998,

ALIGNMENTS

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RESULT 1
US-60-545-213-302875/c
; Sequence 302875, Application US/60545213
; GENERAL INFORMATION:
; APPLICANT: Wyeth
; APPLICANT: Mounts, William Martin
; TITLE OF INVENTION: Nucleic Acid Arrays for Monitoring Expression Profiles of Drug
; TITLE OF INVENTION: Target Genes
; FILE REFERENCE: AM101083 (031896-042099)
; CURRENT APPLICATION NUMBER: US/60/545,213
; CURRENT FILING DATE: 2004-02-18
; NUMBER OF SEQ ID NOS: 303284
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 302875
; LENGTH: 25
; TYPE: DNA
; ORGANISM: probe
US-60-545-213-302875

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Query Match 13.5%; Score 17.6; DB 1; Length 25;
Best Local Similarity 83.3%; Pred. No. 5.1;
Matches 20: Conservative 0; Mismatches 4; Indels 0; Gaps 0;

Qy 1441 ATACATGGAAGATGGGTTGATCA 1464
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Db 24 ATACATAGAAAAATGGGGTTATCAA 1

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RESULT 2
PCT-US04-02003-307
; Sequence 307, Application PC/TUS0402003
; GENERAL INFORMATION:
; APPLICANT: ISIS Pharmaceuticals, Inc.
; APPLICANT: Sanjay Bhanot
; APPLICANT: Lex M. Cowser
; APPLICANT: Jacqueline Wyatt
; APPLICANT: Susan M. Freier
; APPLICANT: Brett P. Monia
; APPLICANT: Madeline M. Butler
; APPLICANT: Robert McKay
; APPLICANT: Kenneth W. Dobie
; TITLE OF INVENTION: ANTISENSE MODULATION OF PTP1B EXPRESSION
; FILE REFERENCE: BIOL0001WO.4
; CURRENT APPLICATION NUMBER: PCT/US04/02003
; CURRENT FILING DATE: 2004-02-06
; NUMBER OF SEQ ID NOS: 415
; SEQ ID NO 307
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence

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; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
PCT-US04-02003-307

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Query Match	11.7%;	Score 15.2;	DB 1;	Length 20;
Best Local Similarity	85.0%;	Pred. No. 29;		
Matches 17; Conservative	0;	Mismatches 3;	Indels 0;	Gaps 0;

QY 1435 AGACATATACATGGAAGATG 1454
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Db 1 AGCCATGTACTTGGAAATG 20

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RESULT 3
PCT-US04-00035-39723/c
; Sequence 39723, Application PC/TUS0400035
; GENERAL INFORMATION:
; APPLICANT: Wyeth
; APPLICANT: Martinez, Robert
; APPLICANT: Brown, Eugene
; APPLICANT: Liu, Wei
; TITLE OF INVENTION: COMPOSITIONS AND METHODS
; TITLE OF INVENTION: CANCERS
; FILE REFERENCE: AM100927 (031896-002000)
; CURRENT APPLICATION NUMBER: PCT/US04/000
; CURRENT FILING DATE: 2004-01-06
; PRIOR APPLICATION NUMBER: US Provisional
; PRIOR FILING DATE: 2003-01-06
; NUMBER OF SEQ ID NOS: 54873
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 39723
; LENGTH: 21
; TYPE: RNA
; ORGANISM: Rnai
PCT-US04-00035-39723

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Query Match	11.7%	Score 15.2;	DB 1;	Length 21;
Best Local Similarity	85.0%	Pred. No. 27;		
Matches 17: Conservative	0;	Mismatches 3;	Indels 0;	Gaps 0;

QY 1377 GCGATCGTCTTCTGATCAA 1396
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pb 20 GCGATCGTCTGCTTCTCAA 1

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RESULT 4
US-10-770-726-10180
; Sequence 10180, Application US/10770726
; GENERAL INFORMATION:
; APPLICANT: Wyeth
; APPLICANT: Brown, Eugene
; APPLICANT: Liu, Wei
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR DIAGNOSING, PREVENTING, AND TREATING CANCERS
; FILE REFERENCE: AM101079 (031896-010000)
; CURRENT APPLICATION NUMBER: US/10/770,726
; CURRENT FILING DATE: 2004-02-04
; NUMBER OF SEQ ID NOS: 48640
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 10180
; LENGTH: 21
; TYPE: RNA
; ORGANISM: Rnai
US-10-770-726-10180

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Query Match	11.7%	Score 15.2;	DB 1;	Length 21;
Best Local Similarity	60.0%;	Pred. No. 27;		
Matches 12: Conservative	5: Mismatches	3: Indels	0: Gaps	0:

QY 1430 TATGAGACATATACATGGA 1449
:|: ||| |||:|:|:|:|:|
Db 2 TAAUCCAGUACAUUAGAUGGA 21

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838	10	7.7	13	1	US-10-257-017B-66684	Sequence 66684, A	c 911	10	7.7	13	1	US-10-257-017B-143215	Sequence 143215,
839	10	7.7	13	1	US-10-257-017B-73027	Sequence 73027, A	912	10	7.7	13	1	US-10-257-017B-143216	Sequence 143216,
c 840	10	7.7	13	1	US-10-257-017B-73028	Sequence 73028, A	913	10	7.7	13	1	US-10-257-017B-144231	Sequence 144231,
841	10	7.7	13	1	US-10-257-017B-80071	Sequence 80071, A	c 914	10	7.7	13	1	US-10-257-017B-144232	Sequence 144232,
c 842	10	7.7	13	1	US-10-257-017B-80072	Sequence 80072, A	915	10	7.7	13	1	US-10-257-017B-147577	Sequence 147577,
843	10	7.7	13	1	US-10-257-017B-80365	Sequence 80365, A	c 916	10	7.7	13	1	US-10-257-017B-147578	Sequence 147578,
c 844	10	7.7	13	1	US-10-257-017B-80366	Sequence 80366, A	917	10	7.7	13	1	US-10-257-017B-147657	Sequence 147657,
c 845	10	7.7	13	1	US-10-257-017B-81967	Sequence 81967, A	c 918	10	7.7	13	1	US-10-257-017B-147658	Sequence 147658,
846	10	7.7	13	1	US-10-257-017B-81968	Sequence 81968, A	c 919	10	7.7	13	1	US-10-257-017B-147879	Sequence 147879,
847	10	7.7	13	1	US-10-257-017B-82289	Sequence 82289, A	920	10	7.7	13	1	US-10-257-017B-147880	Sequence 147880,
c 848	10	7.7	13	1	US-10-257-017B-82290	Sequence 82290, A	921	10	7.7	13	1	US-10-257-017B-148407	Sequence 148407,
c 849	10	7.7	13	1	US-10-257-017B-85483	Sequence 85483, A	c 922	10	7.7	13	1	US-10-257-017B-148408	Sequence 148408,
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c 851	10	7.7	13	1	US-10-257-017B-85949	Sequence 85949, A	c 924	10	7.7	13	1	US-10-257-017B-148708	Sequence 148708,
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c 854	10	7.7	13	1	US-10-257-017B-86708	Sequence 86708, A	927	10	7.7	13	1	US-10-257-017B-154223	Sequence 154223,
855	10	7.7	13	1	US-10-257-017B-90353	Sequence 90353, A	c 928	10	7.7	13	1	US-10-257-017B-154224	Sequence 154224,
c 856	10	7.7	13	1	US-10-257-017B-90354	Sequence 90354, A	929	10	7.7	13	1	US-10-257-017B-155547	Sequence 155547,
c 857	10	7.7	13	1	US-10-257-017B-92315	Sequence 92315, A	c 930	10	7.7	13	1	US-10-257-017B-155548	Sequence 155548,
858	10	7.7	13	1	US-10-257-017B-92316	Sequence 92316, A	c 931	10	7.7	13	1	US-10-257-017B-161189	Sequence 161189,
c 859	10	7.7	13	1	US-10-257-017B-93509	Sequence 93509, A	932	10	7.7	13	1	US-10-257-017B-161190	Sequence 161190,
c 860	10	7.7	13	1	US-10-257-017B-93510	Sequence 93510, A	c 933	10	7.7	13	1	US-10-257-017B-164657	Sequence 164657,
c 861	10	7.7	13	1	US-10-257-017B-94173	Sequence 94173, A	934	10	7.7	13	1	US-10-257-017B-164658	Sequence 164658,
c 862	10	7.7	13	1	US-10-257-017B-94174	Sequence 94174, A	935	10	7.7	13	1	US-10-257-017B-165853	Sequence 165853,
c 863	10	7.7	13	1	US-10-257-017B-95059	Sequence 95059, A	c 936	10	7.7	13	1	US-10-257-017B-165854	Sequence 165854,
864	10	7.7	13	1	US-10-257-017B-95060	Sequence 95060, A	c 937	10	7.7	13	1	US-10-257-017B-168697	Sequence 168697,
c 865	10	7.7	13	1	US-10-257-017B-95633	Sequence 95633, A	938	10	7.7	13	1	US-10-257-017B-168698	Sequence 168698,
866	10	7.7	13	1	US-10-257-017B-95634	Sequence 95634, A	939	10	7.7	13	1	US-10-257-017B-169517	Sequence 169517,
c 867	10	7.7	13	1	US-10-257-017B-97055	Sequence 97055, A	c 940	10	7.7	13	1	US-10-257-017B-169518	Sequence 169518,
c 868	10	7.7	13	1	US-10-257-017B-97056	Sequence 97056, A	c 941	10	7.7	13	1	US-10-257-017B-171405	Sequence 171405,
869	10	7.7	13	1	US-10-257-017B-100535	Sequence 100535, A	c 942	10	7.7	13	1	US-10-257-017B-171406	Sequence 171406,
c 870	10	7.7	13	1	US-10-257-017B-100536	Sequence 100536, A	943	10	7.7	13	1	US-10-257-017B-171967	Sequence 171967,
871	10	7.7	13	1	US-10-257-017B-102561	Sequence 102561, A	c 944	10	7.7	13	1	US-10-257-017B-171968	Sequence 171968,
c 872	10	7.7	13	1	US-10-257-017B-102562	Sequence 102562, A	945	10	7.7	13	1	US-10-257-017B-172185	Sequence 172185,
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c 874	10	7.7	13	1	US-10-257-017B-103208	Sequence 103208, A	c 947	10	7.7	13	1	US-10-257-017B-173005	Sequence 173005,
875	10	7.7	13	1	US-10-257-017B-103331	Sequence 103331, A	948	10	7.7	13	1	US-10-257-017B-173006	Sequence 173006,
c 876	10	7.7	13	1	US-10-257-017B-103332	Sequence 103332, A	949	10	7.7	13	1	US-10-257-017B-183307	Sequence 183307,
c 877	10	7.7	13	1	US-10-257-017B-105251	Sequence 105251, A	c 950	10	7.7	13	1	US-10-257-017B-183308	Sequence 183308,
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c 879	10	7.7	13	1	US-10-257-017B-107611	Sequence 107611, A	952	10	7.7	13	1	US-10-257-017B-189086	Sequence 189086,
c 880	10	7.7	13	1	US-10-257-017B-107612	Sequence 107612, A	c 953	10	7.7	13	1	US-10-257-017B-189409	Sequence 189409,
c 881	10	7.7	13	1	US-10-257-017B-107687	Sequence 107687, A	954	10	7.7	13	1	US-10-257-017B-189410	Sequence 189410,
882	10	7.7	13	1	US-10-257-017B-107688	Sequence 107688, A	c 955	10	7.7	13	1	US-10-257-017B-189701	Sequence 189701,
c 883	10	7.7	13	1	US-10-257-017B-107941	Sequence 107941, A	956	10	7.7	13	1	US-10-257-017B-189702	Sequence 189702,
c 884	10	7.7	13	1	US-10-257-017B-107942	Sequence 107942, A	c 957	10	7.7	13	1	US-10-257-017B-194095	Sequence 194095,
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886	10	7.7	13	1	US-10-257-017B-113532	Sequence 113532, A	c 959	10	7.7	13	1	US-10-257-017B-195783	Sequence 195783,
c 887	10	7.7	13	1	US-10-257-017B-115215	Sequence 115215, A	c 960	10	7.7	13	1	US-10-257-017B-195784	Sequence 195784,
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890	10	7.7	13	1	US-10-257-017B-118838	Sequence 118838, A	c 963	10	7.7	13	1	US-10-257-017B-202317	Sequence 202317,
c 891	10	7.7	13	1	US-10-257-017B-123025	Sequence 123025, A	964	10	7.7	13	1	US-10-257-017B-202318	Sequence 202318,
c 892	10	7.7	13	1	US-10-257-017B-123026	Sequence 123026, A	965	10	7.7	13	1	US-10-257-017B-207427	Sequence 207427,
c 893	10	7.7	13	1	US-10-257-017B-128463	Sequence 128463, A	c 966	10	7.7	13	1	US-10-257-017B-207428	Sequence 207428,
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c 897	10	7.7	13	1	US-10-257-017B-131753	Sequence 131753, A	970	10	7.7	13	1	US-10-257-017B-209360	Sequence 209360,
c 898	10	7.7	13	1	US-10-257-017B-131754	Sequence 131754, A	971	10	7.7	13	1	US-10-257-017B-211887	Sequence 211887,
c 899	10	7.7	13	1	US-10-257-017B-132237	Sequence 132237, A	c 972	10	7.7	13	1	US-10-257-017B-211888	Sequence 211888,
900	10	7.7	13	1	US-10-257-017B-132238	Sequence 132238, A	973	10	7.7	13	1	US-10-257-017B-217001	Sequence 217001,
901	10	7.7	13	1	US-10-257-017B-132805	Sequence 132805, A	c 974	10	7.7	13	1	US-10-257-017B-217002	Sequence 217002,
c 902	10	7.7	13	1	US-10-257-017B-132806	Sequence 132806, A	975	10	7.7	13	1	US-10-257-017B-217085	Sequence 217085,
903	10	7.7	13	1	US-10-257-017B-135433	Sequence 135433, A	c 976	10	7.7	13	1	US-10-257-017B-217086	Sequence 217086,
c 904	10	7.7	13	1	US-10-257-017B-135434	Sequence 135434, A	c 977	10	7.7	13	1	US-10-257-017B-218419	Sequence 218419,
905	10	7.7	13	1	US-10-257-017B-136311	Sequence 136311, A	978	10	7.7	13	1	US-10-257-017B-218420	Sequence 218420,
c 906	10	7.7	13	1	US-10-257-017B-136312	Sequence 136312, A	979	10	7.7	13	1	US-10-257-017B-222395	Sequence 222395,
c 907	10	7.7	13	1	US-10-257-017B-140385	Sequence 140385, A	c 980	10	7.7	13	1	US-10-257-017B-222396	Sequence 222396,
c 908	10	7.7	13	1	US-10-257-017B-140386	Sequence 140386, A	981	10	7.7	13	1	US-10-257-017B-223435	Sequence 223435,
909	10	7.7	13	1	US-10-257-017B-142323	Sequence 142323, A	c 982	10	7.7	13	1	US-10-257-017B-223436	Sequence 223436,

C 691	10	7.7	12	1	US-10-257-017B-276652	Sequence 276652,	C 764	10	7.7	12	1	US-10-257-017B-366389	Sequence 366389,
C 692	10	7.7	12	1	US-10-257-017B-276653	Sequence 276653,	C 765	10	7.7	12	1	US-10-257-017B-366837	Sequence 366837,
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C 694	10	7.7	12	1	US-10-257-017B-278342	Sequence 278342,	767	10	7.7	12	1	US-10-257-017B-370557	Sequence 370557,
C 695	10	7.7	12	1	US-10-257-017B-279418	Sequence 279418,	C 768	10	7.7	12	1	US-10-257-017B-370864	Sequence 370864,
C 696	10	7.7	12	1	US-10-257-017B-280197	Sequence 280197,	C 769	10	7.7	12	1	US-10-257-017B-373960	Sequence 373960,
C 697	10	7.7	12	1	US-10-257-017B-283348	Sequence 283348,	770	10	7.7	12	1	US-10-257-017B-375300	Sequence 375300,
C 698	10	7.7	12	1	US-10-257-017B-284132	Sequence 284132,	771	10	7.7	12	1	US-10-257-017B-375753	Sequence 375753,
C 699	10	7.7	12	1	US-10-257-017B-284167	Sequence 284167,	772	10	7.7	12	1	US-10-257-017B-375918	Sequence 375918,
C 700	10	7.7	12	1	US-10-257-017B-288515	Sequence 288515,	C 773	10	7.7	12	1	US-10-257-017B-377296	Sequence 377296,
C 701	10	7.7	12	1	US-10-257-017B-289698	Sequence 289698,	774	10	7.7	12	1	US-10-257-017B-378745	Sequence 378745,
C 702	10	7.7	12	1	US-10-257-017B-289718	Sequence 289718,	C 775	10	7.7	12	1	US-10-257-017B-379728	Sequence 379728,
C 703	10	7.7	12	1	US-10-257-017B-291189	Sequence 291189,	776	10	7.7	12	1	US-10-257-017B-379901	Sequence 379901,
C 704	10	7.7	12	1	US-10-257-017B-292137	Sequence 292137,	777	10	7.7	13	1	US-10-257-017B-2871	Sequence 2871, Ap
C 705	10	7.7	12	1	US-10-257-017B-294714	Sequence 294714,	C 778	10	7.7	13	1	US-10-257-017B-2872	Sequence 2872, Ap
C 706	10	7.7	12	1	US-10-257-017B-295516	Sequence 295516,	779	10	7.7	13	1	US-10-257-017B-2873	Sequence 2873, Ap
C 707	10	7.7	12	1	US-10-257-017B-296818	Sequence 296818,	C 780	10	7.7	13	1	US-10-257-017B-2874	Sequence 2874, Ap
C 708	10	7.7	12	1	US-10-257-017B-297809	Sequence 297809,	C 781	10	7.7	13	1	US-10-257-017B-2983	Sequence 2983, Ap
C 709	10	7.7	12	1	US-10-257-017B-299302	Sequence 299302,	782	10	7.7	13	1	US-10-257-017B-2984	Sequence 2984, Ap
C 710	10	7.7	12	1	US-10-257-017B-299414	Sequence 299414,	783	10	7.7	13	1	US-10-257-017B-5727	Sequence 5727, Ap
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C 712	10	7.7	12	1	US-10-257-017B-301047	Sequence 301047,	C 785	10	7.7	13	1	US-10-257-017B-15941	Sequence 15941, A
C 713	10	7.7	12	1	US-10-257-017B-303065	Sequence 303065,	786	10	7.7	13	1	US-10-257-017B-15942	Sequence 15942, A
C 714	10	7.7	12	1	US-10-257-017B-305776	Sequence 305776,	787	10	7.7	13	1	US-10-257-017B-15955	Sequence 15955, A
C 715	10	7.7	12	1	US-10-257-017B-308711	Sequence 308711,	C 788	10	7.7	13	1	US-10-257-017B-15956	Sequence 15956, A
C 716	10	7.7	12	1	US-10-257-017B-309268	Sequence 309268,	789	10	7.7	13	1	US-10-257-017B-15959	Sequence 15959, A
C 717	10	7.7	12	1	US-10-257-017B-312533	Sequence 312533,	C 790	10	7.7	13	1	US-10-257-017B-15960	Sequence 15960, A
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C 719	10	7.7	12	1	US-10-257-017B-314317	Sequence 314317,	C 792	10	7.7	13	1	US-10-257-017B-16322	Sequence 16322, A
C 720	10	7.7	12	1	US-10-257-017B-314959	Sequence 314959,	793	10	7.7	13	1	US-10-257-017B-20311	Sequence 20311, A
C 721	10	7.7	12	1	US-10-257-017B-315150	Sequence 315150,	C 794	10	7.7	13	1	US-10-257-017B-20312	Sequence 20312, A
C 722	10	7.7	12	1	US-10-257-017B-315662	Sequence 315662,	C 795	10	7.7	13	1	US-10-257-017B-22211	Sequence 22211, A
C 723	10	7.7	12	1	US-10-257-017B-318767	Sequence 318767,	796	10	7.7	13	1	US-10-257-017B-22212	Sequence 22212, A
C 724	10	7.7	12	1	US-10-257-017B-319241	Sequence 319241,	C 797	10	7.7	13	1	US-10-257-017B-22561	Sequence 22561, A
C 725	10	7.7	12	1	US-10-257-017B-320308	Sequence 320308,	798	10	7.7	13	1	US-10-257-017B-22562	Sequence 22562, A
C 726	10	7.7	12	1	US-10-257-017B-321158	Sequence 321158,	C 799	10	7.7	13	1	US-10-257-017B-24121	Sequence 24121, A
C 727	10	7.7	12	1	US-10-257-017B-322127	Sequence 322127,	800	10	7.7	13	1	US-10-257-017B-24122	Sequence 24122, A
C 728	10	7.7	12	1	US-10-257-017B-324567	Sequence 324567,	801	10	7.7	13	1	US-10-257-017B-26637	Sequence 26637, A
C 729	10	7.7	12	1	US-10-257-017B-331234	Sequence 331234,	C 802	10	7.7	13	1	US-10-257-017B-26638	Sequence 26638, A
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C 731	10	7.7	12	1	US-10-257-017B-333164	Sequence 333164,	804	10	7.7	13	1	US-10-257-017B-40988	Sequence 40988, A
C 732	10	7.7	12	1	US-10-257-017B-333508	Sequence 333508,	805	10	7.7	13	1	US-10-257-017B-42007	Sequence 42007, A
C 733	10	7.7	12	1	US-10-257-017B-333613	Sequence 333613,	C 806	10	7.7	13	1	US-10-257-017B-42008	Sequence 42008, A
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C 735	10	7.7	12	1	US-10-257-017B-337711	Sequence 337711,	808	10	7.7	13	1	US-10-257-017B-48144	Sequence 48144, A
C 736	10	7.7	12	1	US-10-257-017B-340768	Sequence 340768,	809	10	7.7	13	1	US-10-257-017B-48147	Sequence 48147, A
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C 739	10	7.7	12	1	US-10-257-017B-344354	Sequence 344354,	C 812	10	7.7	13	1	US-10-257-017B-50664	Sequence 50664, A
C 740	10	7.7	12	1	US-10-257-017B-344578	Sequence 344578,	813	10	7.7	13	1	US-10-257-017B-53653	Sequence 53653, A
C 741	10	7.7	12	1	US-10-257-017B-344643	Sequence 344643,	C 814	10	7.7	13	1	US-10-257-017B-53654	Sequence 53654, A
C 742	10	7.7	12	1	US-10-257-017B-344752	Sequence 344752,	815	10	7.7	13	1	US-10-257-017B-53709	Sequence 53709, A
C 743	10	7.7	12	1	US-10-257-017B-346862	Sequence 346862,	C 816	10	7.7	13	1	US-10-257-017B-53710	Sequence 53710, A
C 744	10	7.7	12	1	US-10-257-017B-349496	Sequence 349496,	C 817	10	7.7	13	1	US-10-257-017B-53941	Sequence 53941, A
C 745	10	7.7	12	1	US-10-257-017B-351099	Sequence 351099,	818	10	7.7	13	1	US-10-257-017B-53942	Sequence 53942, A
C 746	10	7.7	12	1	US-10-257-017B-351979	Sequence 351979,	819	10	7.7	13	1	US-10-257-017B-54063	Sequence 54063, A
C 747	10	7.7	12	1	US-10-257-017B-352091	Sequence 352091,	C 820	10	7.7	13	1	US-10-257-017B-54064	Sequence 54064, A
C 748	10	7.7	12	1	US-10-257-017B-352518	Sequence 352518,	C 821	10	7.7	13	1	US-10-257-017B-56067	Sequence 56067, A
C 749	10	7.7	12	1	US-10-257-017B-353237	Sequence 353237,	822	10	7.7	13	1	US-10-257-017B-56068	Sequence 56068, A
C 750	10	7.7	12	1	US-10-257-017B-354698	Sequence 354698,	823	10	7.7	13	1	US-10-257-017B-57845	Sequence 57845, A
C 751	10	7.7	12	1	US-10-257-017B-357004	Sequence 357004,	C 824	10	7.7	13	1	US-10-257-017B-57846	Sequence 57846, A
C 752	10	7.7	12	1	US-10-257-017B-357200	Sequence 357200,	C 825	10	7.7	13	1	US-10-257-017B-59775	Sequence 59775, A
C 753	10	7.7	12	1	US-10-257-017B-357400	Sequence 357400,	826	10	7.7	13	1	US-10-257-017B-59776	Sequence 59776, A
C 754	10	7.7	12	1	US-10-257-017B-357488	Sequence 357488,	827	10	7.7	13	1	US-10-257-017B-60199	Sequence 60199, A
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C 756	10	7.7	12	1	US-10-257-017B-360354	Sequence 360354,	829	10	7.7	13	1	US-10-257-017B-61279	Sequence 61279, A
C 757	10	7.7	12	1	US-10-257-017B-360593	Sequence 360593,	C 830	10	7.7	13	1	US-10-257-017B-61280	Sequence 61280, A
C 758	10	7.7	12	1	US-10-257-017B-361638	Sequence 361638,	C 831	10	7.7	13	1	US-10-257-017B-62977	Sequence 62977, A
C 759	10	7.7	12	1	US-10-257-017B-365441	Sequence 365441,	832	10	7.7	13	1	US-10-257-017B-62978	Sequence 62978, A
C 760	10	7.7	12	1	US-10-257-017B-365860	Sequence 365860,	833	10	7.7	13	1	US-10-257-017B-63973	Sequence 63973, A
C 761	10	7.7	12	1	US-10-257-017B-365863	Sequence 365863,	C 834	10	7.7	13	1	US-10-257-017B-63974	Sequence 63974, A
C 762	10	7.7	12	1	US-10-257-017B-366148	Sequence 366148,	C 835	10	7.7	13	1	US-10-257-017B-65109	Sequence 65109, A
C 763	10	7.7	12	1	US-10-257-017B-366149	Sequence 366149,	836	10	7.7	13	1	US-10-257-017B-65110	Sequence 65110, A

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c 548	10.4	8.0	13	1	US-10-257-017B-170731	Sequence 170731,	c 621	10.4	8.0	13	1	US-10-257-017B-222534	Sequence 222534,
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c 557	10.4	8.0	13	1	US-10-257-017B-176214	Sequence 176214,	c 630	10.4	8.0	13	1	US-10-257-017B-228211	Sequence 228211,
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c 565	10.4	8.0	13	1	US-10-257-017B-188264	Sequence 188264,	638	10.4	8.0	13	1	US-10-257-017B-234847	Sequence 234847,
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c 568	10.4	8.0	13	1	US-10-257-017B-189801	Sequence 189801,	641	10.4	8.0	13	1	US-10-257-017B-236640	Sequence 236640,
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c 577	10.4	8.0	13	1	US-10-257-017B-191756	Sequence 191756,	650	10.4	8.0	13	1	US-10-257-017B-245485	Sequence 245485,
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c 580	10.4	8.0	13	1	US-10-257-017B-193277	Sequence 193277,	c 653	10.4	8.0	13	1	US-10-257-017B-245490	Sequence 245490,
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c 582	10.4	8.0	13	1	US-10-257-017B-196025	Sequence 196025,	655	10.4	8.0	13	1	US-10-257-017B-246528	Sequence 246528,
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c 586	10.4	8.0	13	1	US-10-257-017B-197645	Sequence 197645,	c 659	10.4	8.0	13	1	US-10-257-017B-252636	Sequence 252636,
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c 588	10.4	8.0	13	1	US-10-257-017B-198423	Sequence 198423,	661	10.4	8.0	13	1	US-10-257-017B-253488	Sequence 253488,
589	10.4	8.0	13	1	US-10-257-017B-198424	Sequence 198424,	c 662	10.4	8.0	13	1	US-10-257-017B-257657	Sequence 257657,
c 590	10.4	8.0	13	1	US-10-257-017B-200895	Sequence 200895,	663	10.4	8.0	13	1	US-10-257-017B-257658	Sequence 257658,
591	10.4	8.0	13	1	US-10-257-017B-200896	Sequence 200896,	c 664	10.4	8.0	13	1	US-10-257-017B-258853	Sequence 258853,
592	10.4	8.0	13	1	US-10-257-017B-203100	Sequence 203100,	665	10.4	8.0	13	1	US-10-257-017B-258854	Sequence 258854,
c 593	10.4	8.0	13	1	US-10-257-017B-203109	Sequence 203109,	666	10.4	8.0	13	1	US-10-257-017B-259005	Sequence 259005,
594	10.4	8.0	13	1	US-10-257-017B-205659	Sequence 205659,	c 667	10.4	8.0	13	1	US-10-257-017B-259006	Sequence 259006,
c 595	10.4	8.0	13	1	US-10-257-017B-205660	Sequence 205660,	668	10.4	8.0	13	1	US-10-257-017B-259969	Sequence 259969,
596	10.4	8.0	13	1	US-10-257-017B-206951	Sequence 206951,	c 669	10.4	8.0	13	1	US-10-257-017B-259970	Sequence 259970,
c 597	10.4	8.0	13	1	US-10-257-017B-206952	Sequence 206952,	670	10.4	8.0	13	1	US-10-257-017B-259973	Sequence 259973,
598	10.4	8.0	13	1	US-10-257-017B-207425	Sequence 207425,	c 671	10.4	8.0	13	1	US-10-257-017B-259974	Sequence 259974,
c 599	10.4	8.0	13	1	US-10-257-017B-207426	Sequence 207426,	672	10.4	8.0	13	1	US-10-257-017B-260033	Sequence 260033,
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c 601	10.4	8.0	13	1	US-10-257-017B-210186	Sequence 210186,	674	10.4	8.0	13	1	US-10-257-017B-260273	Sequence 260273,
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c 603	10.4	8.0	13	1	US-10-257-017B-213078	Sequence 213078,	c 676	10.4	8.0	13	1	US-10-257-017B-262883	Sequence 262883,
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c 605	10.4	8.0	13	1	US-10-257-017B-214399	Sequence 214399,	c 678	10.4	8.0	13	1	US-10-257-017B-263359	Sequence 263359,
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c 607	10.4	8.0	13	1	US-10-257-017B-216849	Sequence 216849,	680	10.4	8.0	13	1	US-10-257-017B-264565	Sequence 264565,
608	10.4	8.0	13	1	US-10-257-017B-216850	Sequence 216850,	c 681	10.4	8.0	13	1	US-10-257-017B-264566	Sequence 264566,
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c 611	10.4	8.0	13	1	US-10-257-017B-217383	Sequence 217383,	c 684	10	7.7	12	1	US-10-257-017B-269609	Sequence 269609,
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c 613	10.4	8.0	13	1	US-10-257-017B-220057	Sequence 220057,	c 686	10	7.7	12	1	US-10-257-017B-270638	Sequence 270638,
614	10.4	8.0	13	1	US-10-257-017B-220058	Sequence 220058,	687	10	7.7	12	1	US-10-257-017B-272104	Sequence 272104,
c 615	10.4	8.0	13	1	US-10-257-017B-220169	Sequence 220169,	688	10	7.7	12	1	US-10-257-017B-272167	Sequence 272167,
616	10.4	8.0	13	1	US-10-257-017B-220170	Sequence 220170,	689	10	7.7	12	1	US-10-257-017B-272927	Sequence 272927,
c 617	10.4	8.0	13	1	US-10-257-017B-220461	Sequence 220461,	690	10	7.7	12	1	US-10-257-017B-272991	Sequence 272991,
					Sequence 220462,	Sequence 220462,							

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C 400	10.4	8.0	13	1	US-10-257-017B-41013	Sequence 41013, A	C 473	10.4	8.0	13	1	US-10-257-017B-120330	Sequence 120330,
C 401	10.4	8.0	13	1	US-10-257-017B-41014	Sequence 41014, A	474	10.4	8.0	13	1	US-10-257-017B-122873	Sequence 122873,
C 402	10.4	8.0	13	1	US-10-257-017B-41115	Sequence 41115, A	C 475	10.4	8.0	13	1	US-10-257-017B-122874	Sequence 122874,
C 403	10.4	8.0	13	1	US-10-257-017B-41116	Sequence 41116, A	476	10.4	8.0	13	1	US-10-257-017B-122877	Sequence 122877,
C 404	10.4	8.0	13	1	US-10-257-017B-42367	Sequence 42367, A	C 477	10.4	8.0	13	1	US-10-257-017B-122878	Sequence 122878,
C 405	10.4	8.0	13	1	US-10-257-017B-42368	Sequence 42368, A	478	10.4	8.0	13	1	US-10-257-017B-125127	Sequence 125127,
C 406	10.4	8.0	13	1	US-10-257-017B-42369	Sequence 42369, A	C 479	10.4	8.0	13	1	US-10-257-017B-125128	Sequence 125128,
C 407	10.4	8.0	13	1	US-10-257-017B-42370	Sequence 42370, A	480	10.4	8.0	13	1	US-10-257-017B-126929	Sequence 126929,
C 408	10.4	8.0	13	1	US-10-257-017B-44421	Sequence 44421, A	C 481	10.4	8.0	13	1	US-10-257-017B-126930	Sequence 126930,
C 409	10.4	8.0	13	1	US-10-257-017B-44422	Sequence 44422, A	482	10.4	8.0	13	1	US-10-257-017B-132023	Sequence 132023,
C 410	10.4	8.0	13	1	US-10-257-017B-48807	Sequence 48807, A	C 483	10.4	8.0	13	1	US-10-257-017B-132024	Sequence 132024,
C 411	10.4	8.0	13	1	US-10-257-017B-48808	Sequence 48808, A	484	10.4	8.0	13	1	US-10-257-017B-136835	Sequence 136835,
C 412	10.4	8.0	13	1	US-10-257-017B-48921	Sequence 48921, A	C 485	10.4	8.0	13	1	US-10-257-017B-136836	Sequence 136836,
C 413	10.4	8.0	13	1	US-10-257-017B-48922	Sequence 48922, A	486	10.4	8.0	13	1	US-10-257-017B-137595	Sequence 137595,
C 414	10.4	8.0	13	1	US-10-257-017B-49463	Sequence 49463, A	C 487	10.4	8.0	13	1	US-10-257-017B-137596	Sequence 137596,
C 415	10.4	8.0	13	1	US-10-257-017B-49464	Sequence 49464, A	C 488	10.4	8.0	13	1	US-10-257-017B-137827	Sequence 137827,
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C 417	10.4	8.0	13	1	US-10-257-017B-52752	Sequence 52752, A	C 490	10.4	8.0	13	1	US-10-257-017B-138159	Sequence 138159,
C 418	10.4	8.0	13	1	US-10-257-017B-54077	Sequence 54077, A	C 491	10.4	8.0	13	1	US-10-257-017B-138160	Sequence 138160,
C 419	10.4	8.0	13	1	US-10-257-017B-54078	Sequence 54078, A	C 492	10.4	8.0	13	1	US-10-257-017B-138473	Sequence 138473,
C 420	10.4	8.0	13	1	US-10-257-017B-56443	Sequence 56443, A	493	10.4	8.0	13	1	US-10-257-017B-138474	Sequence 138474,
C 421	10.4	8.0	13	1	US-10-257-017B-56444	Sequence 56444, A	C 494	10.4	8.0	13	1	US-10-257-017B-139219	Sequence 139219,
C 422	10.4	8.0	13	1	US-10-257-017B-56677	Sequence 56677, A	C 495	10.4	8.0	13	1	US-10-257-017B-139220	Sequence 139220,
C 423	10.4	8.0	13	1	US-10-257-017B-56678	Sequence 56678, A	496	10.4	8.0	13	1	US-10-257-017B-142021	Sequence 142021,
C 424	10.4	8.0	13	1	US-10-257-017B-58211	Sequence 58211, A	C 497	10.4	8.0	13	1	US-10-257-017B-142022	Sequence 142022,
C 425	10.4	8.0	13	1	US-10-257-017B-58212	Sequence 58212, A	498	10.4	8.0	13	1	US-10-257-017B-144935	Sequence 144935,
C 426	10.4	8.0	13	1	US-10-257-017B-58981	Sequence 58981, A	C 499	10.4	8.0	13	1	US-10-257-017B-144936	Sequence 144936,
C 427	10.4	8.0	13	1	US-10-257-017B-58982	Sequence 58982, A	C 500	10.4	8.0	13	1	US-10-257-017B-145569	Sequence 145569,
C 428	10.4	8.0	13	1	US-10-257-017B-62607	Sequence 62607, A	C 501	10.4	8.0	13	1	US-10-257-017B-145570	Sequence 145570,
C 429	10.4	8.0	13	1	US-10-257-017B-62608	Sequence 62608, A	502	10.4	8.0	13	1	US-10-257-017B-146343	Sequence 146343,
C 430	10.4	8.0	13	1	US-10-257-017B-64543	Sequence 64543, A	C 503	10.4	8.0	13	1	US-10-257-017B-146344	Sequence 146344,
C 431	10.4	8.0	13	1	US-10-257-017B-64544	Sequence 64544, A	504	10.4	8.0	13	1	US-10-257-017B-146463	Sequence 146463,
C 432	10.4	8.0	13	1	US-10-257-017B-75287	Sequence 75287, A	C 505	10.4	8.0	13	1	US-10-257-017B-146464	Sequence 146464,
C 433	10.4	8.0	13	1	US-10-257-017B-75288	Sequence 75288, A	506	10.4	8.0	13	1	US-10-257-017B-147957	Sequence 147957,
C 434	10.4	8.0	13	1	US-10-257-017B-75919	Sequence 75919, A	C 507	10.4	8.0	13	1	US-10-257-017B-147958	Sequence 147958,
C 435	10.4	8.0	13	1	US-10-257-017B-75920	Sequence 75920, A	C 508	10.4	8.0	13	1	US-10-257-017B-148003	Sequence 148003,
C 436	10.4	8.0	13	1	US-10-257-017B-77735	Sequence 77735, A	509	10.4	8.0	13	1	US-10-257-017B-148004	Sequence 148004,
C 437	10.4	8.0	13	1	US-10-257-017B-77736	Sequence 77736, A	C 510	10.4	8.0	13	1	US-10-257-017B-148005	Sequence 148005,
C 438	10.4	8.0	13	1	US-10-257-017B-79875	Sequence 79875, A	511	10.4	8.0	13	1	US-10-257-017B-148006	Sequence 148006,
C 439	10.4	8.0	13	1	US-10-257-017B-79876	Sequence 79876, A	512	10.4	8.0	13	1	US-10-257-017B-148025	Sequence 148025,
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C 441	10.4	8.0	13	1	US-10-257-017B-81586	Sequence 81586, A	514	10.4	8.0	13	1	US-10-257-017B-149883	Sequence 149883,
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C 443	10.4	8.0	13	1	US-10-257-017B-89812	Sequence 89812, A	516	10.4	8.0	13	1	US-10-257-017B-150061	Sequence 150061,
C 444	10.4	8.0	13	1	US-10-257-017B-91971	Sequence 91971, A	C 517	10.4	8.0	13	1	US-10-257-017B-150062	Sequence 150062,
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C 447	10.4	8.0	13	1	US-10-257-017B-95980	Sequence 95980, A	C 520	10.4	8.0	13	1	US-10-257-017B-150693	Sequence 150693,
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C 450	10.4	8.0	13	1	US-10-257-017B-110669	Sequence 110669, A	523	10.4	8.0	13	1	US-10-257-017B-151928	Sequence 151928,
C 451	10.4	8.0	13	1	US-10-257-017B-110670	Sequence 110670, A	524	10.4	8.0	13	1	US-10-257-017B-152249	Sequence 152249,
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C 455	10.4	8.0	13	1	US-10-257-017B-112260	Sequence 112260, A	528	10.4	8.0	13	1	US-10-257-017B-152798	Sequence 152798,
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C 457	10.4	8.0	13	1	US-10-257-017B-114030	Sequence 114030, A	C 530	10.4	8.0	13	1	US-10-257-017B-153538	Sequence 153538,
C 458	10.4	8.0	13	1	US-10-257-017B-115143	Sequence 115143, A	C 531	10.4	8.0	13	1	US-10-257-017B-153905	Sequence 153905,
C 459	10.4	8.0	13	1	US-10-257-017B-115144	Sequence 115144, A	532	10.4	8.0	13	1	US-10-257-017B-153906	Sequence 153906,
C 460	10.4	8.0	13	1	US-10-257-017B-115349	Sequence 115349, A	C 533	10.4	8.0	13	1	US-10-257-017B-158573	Sequence 158573,
C 461	10.4	8.0	13	1	US-10-257-017B-115350	Sequence 115350, A	534	10.4	8.0	13	1	US-10-257-017B-158574	Sequence 158574,
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C 463	10.4	8.0	13	1	US-10-257-017B-116366	Sequence 116366, A	536	10.4	8.0	13	1	US-10-257-017B-158578	Sequence 158578,
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C 466	10.4	8.0	13	1	US-10-257-017B-117055	Sequence 117055, A	539	10.4	8.0	13	1	US-10-257-017B-161201	Sequence 161201,
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C 469	10.4	8.0	13	1	US-10-257-017B-117058	Sequence 117058, A	542	10.4	8.0	13	1	US-10-257-017B-165194	Sequence 165194,
C 470	10.4	8.0	13	1	US-10-257-017B-119549	Sequence 119549, A	C 543	10.4	8.0	13	1	US-10-257-017B-165707	Sequence 165707,
C 471	10.4	8.0	13	1	US-10-257-017B-119550	Sequence 119550, A	C 544	10.4	8.0	13	1	US-10-257-017B-170191	Sequence 170191,

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C 254	10.4	8.0	12	1	US-10-257-017B-288604	Sequence 288604,	C 327	10.4	8.0	12	1	US-10-257-017B-354801	Sequence 354801,
C 255	10.4	8.0	12	1	US-10-257-017B-289070	Sequence 289070,	328	10.4	8.0	12	1	US-10-257-017B-355488	Sequence 355488,
256	10.4	8.0	12	1	US-10-257-017B-290754	Sequence 290754,	C 329	10.4	8.0	12	1	US-10-257-017B-358602	Sequence 358602,
257	10.4	8.0	12	1	US-10-257-017B-292736	Sequence 292736,	330	10.4	8.0	12	1	US-10-257-017B-358612	Sequence 358612,
258	10.4	8.0	12	1	US-10-257-017B-293279	Sequence 293279,	C 331	10.4	8.0	12	1	US-10-257-017B-358739	Sequence 358739,
C 259	10.4	8.0	12	1	US-10-257-017B-293307	Sequence 293307,	C 332	10.4	8.0	12	1	US-10-257-017B-360773	Sequence 360773,
260	10.4	8.0	12	1	US-10-257-017B-296443	Sequence 296443,	333	10.4	8.0	12	1	US-10-257-017B-361414	Sequence 361414,
261	10.4	8.0	12	1	US-10-257-017B-296515	Sequence 296515,	334	10.4	8.0	12	1	US-10-257-017B-361641	Sequence 361641,
262	10.4	8.0	12	1	US-10-257-017B-298340	Sequence 298340,	C 335	10.4	8.0	12	1	US-10-257-017B-361893	Sequence 361893,
C 263	10.4	8.0	12	1	US-10-257-017B-298531	Sequence 298531,	C 336	10.4	8.0	12	1	US-10-257-017B-362270	Sequence 362270,
C 264	10.4	8.0	12	1	US-10-257-017B-298907	Sequence 298907,	C 337	10.4	8.0	12	1	US-10-257-017B-363295	Sequence 363295,
C 265	10.4	8.0	12	1	US-10-257-017B-301245	Sequence 301245,	C 338	10.4	8.0	12	1	US-10-257-017B-363916	Sequence 363916,
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C 267	10.4	8.0	12	1	US-10-257-017B-304813	Sequence 304813,	340	10.4	8.0	12	1	US-10-257-017B-365010	Sequence 365010,
268	10.4	8.0	12	1	US-10-257-017B-305909	Sequence 305909,	C 341	10.4	8.0	12	1	US-10-257-017B-366931	Sequence 366931,
269	10.4	8.0	12	1	US-10-257-017B-306244	Sequence 306244,	C 342	10.4	8.0	12	1	US-10-257-017B-368493	Sequence 368493,
C 270	10.4	8.0	12	1	US-10-257-017B-306649	Sequence 306649,	343	10.4	8.0	12	1	US-10-257-017B-370403	Sequence 370403,
C 271	10.4	8.0	12	1	US-10-257-017B-306886	Sequence 306886,	344	10.4	8.0	12	1	US-10-257-017B-371943	Sequence 371943,
272	10.4	8.0	12	1	US-10-257-017B-306904	Sequence 306904,	C 345	10.4	8.0	12	1	US-10-257-017B-371972	Sequence 371972,
C 273	10.4	8.0	12	1	US-10-257-017B-307736	Sequence 307736,	C 346	10.4	8.0	12	1	US-10-257-017B-373070	Sequence 373070,
274	10.4	8.0	12	1	US-10-257-017B-307971	Sequence 307971,	C 347	10.4	8.0	12	1	US-10-257-017B-373223	Sequence 373223,
C 275	10.4	8.0	12	1	US-10-257-017B-308016	Sequence 308016,	C 348	10.4	8.0	12	1	US-10-257-017B-373309	Sequence 373309,
C 276	10.4	8.0	12	1	US-10-257-017B-309005	Sequence 309005,	349	10.4	8.0	12	1	US-10-257-017B-376709	Sequence 376709,
277	10.4	8.0	12	1	US-10-257-017B-310184	Sequence 310184,	C 350	10.4	8.0	12	1	US-10-257-017B-377842	Sequence 377842,
C 278	10.4	8.0	12	1	US-10-257-017B-310357	Sequence 310357,	351	10.4	8.0	12	1	US-10-257-017B-379142	Sequence 379142,
C 279	10.4	8.0	12	1	US-10-257-017B-312521	Sequence 312521,	C 352	10.4	8.0	12	1	US-10-257-017B-379867	Sequence 379867,
280	10.4	8.0	12	1	US-10-257-017B-313597	Sequence 313597,	C 353	10.4	8.0	12	1	US-10-257-017B-380141	Sequence 380141,
281	10.4	8.0	12	1	US-10-257-017B-313626	Sequence 313626,	C 354	10.4	8.0	12	1	US-10-257-017B-381455	Sequence 381455,
C 282	10.4	8.0	12	1	US-10-257-017B-313944	Sequence 313944,	C 355	10.4	8.0	12	1	US-10-257-017B-381597	Sequence 381597,
C 283	10.4	8.0	12	1	US-10-257-017B-313947	Sequence 313947,	356	10.4	8.0	13	1	US-10-257-017B-1275	Sequence 1275, Ap
C 284	10.4	8.0	12	1	US-10-257-017B-314004	Sequence 314004,	C 357	10.4	8.0	13	1	US-10-257-017B-1276	Sequence 1276, Ap
C 285	10.4	8.0	12	1	US-10-257-017B-315661	Sequence 315661,	358	10.4	8.0	13	1	US-10-257-017B-3261	Sequence 3261, Ap
286	10.4	8.0	12	1	US-10-257-017B-317026	Sequence 317026,	C 359	10.4	8.0	13	1	US-10-257-017B-3262	Sequence 3262, Ap
C 287	10.4	8.0	12	1	US-10-257-017B-317789	Sequence 317789,	C 360	10.4	8.0	13	1	US-10-257-017B-3641	Sequence 3641, Ap
C 288	10.4	8.0	12	1	US-10-257-017B-318205	Sequence 318205,	361	10.4	8.0	13	1	US-10-257-017B-3642	Sequence 3642, Ap
289	10.4	8.0	12	1	US-10-257-017B-318749	Sequence 318749,	362	10.4	8.0	13	1	US-10-257-017B-3645	Sequence 3645, Ap
C 290	10.4	8.0	12	1	US-10-257-017B-319342	Sequence 319342,	C 363	10.4	8.0	13	1	US-10-257-017B-3646	Sequence 3646, Ap
291	10.4	8.0	12	1	US-10-257-017B-320378	Sequence 320378,	364	10.4	8.0	13	1	US-10-257-017B-3647	Sequence 3647, Ap
292	10.4	8.0	12	1	US-10-257-017B-321550	Sequence 321550,	C 365	10.4	8.0	13	1	US-10-257-017B-3648	Sequence 3648, Ap
C 293	10.4	8.0	12	1	US-10-257-017B-323737	Sequence 323737,	366	10.4	8.0	13	1	US-10-257-017B-6923	Sequence 6923, Ap
C 294	10.4	8.0	12	1	US-10-257-017B-324120	Sequence 324120,	C 367	10.4	8.0	13	1	US-10-257-017B-6924	Sequence 6924, Ap
C 295	10.4	8.0	12	1	US-10-257-017B-326640	Sequence 326640,	368	10.4	8.0	13	1	US-10-257-017B-10319	Sequence 10319, A
296	10.4	8.0	12	1	US-10-257-017B-327216	Sequence 327216,	C 369	10.4	8.0	13	1	US-10-257-017B-10320	Sequence 10320, A
297	10.4	8.0	12	1	US-10-257-017B-327259	Sequence 327259,	C 370	10.4	8.0	13	1	US-10-257-017B-10539	Sequence 10539, A
298	10.4	8.0	12	1	US-10-257-017B-328388	Sequence 328388,	C 371	10.4	8.0	13	1	US-10-257-017B-10540	Sequence 10540, A
C 299	10.4	8.0	12	1	US-10-257-017B-328759	Sequence 328759,	C 372	10.4	8.0	13	1	US-10-257-017B-11541	Sequence 11541, A
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C 301	10.4	8.0	12	1	US-10-257-017B-329173	Sequence 329173,	C 374	10.4	8.0	13	1	US-10-257-017B-13621	Sequence 13621, A
C 302	10.4	8.0	12	1	US-10-257-017B-329460	Sequence 329460,	375	10.4	8.0	13	1	US-10-257-017B-13622	Sequence 13622, A
303	10.4	8.0	12	1	US-10-257-017B-331329	Sequence 331329,	C 376	10.4	8.0	13	1	US-10-257-017B-15937	Sequence 15937, A
304	10.4	8.0	12	1	US-10-257-017B-332453	Sequence 332453,	377	10.4	8.0	13	1	US-10-257-017B-15938	Sequence 15938, A
C 305	10.4	8.0	12	1	US-10-257-017B-333917	Sequence 333917,	378	10.4	8.0	13	1	US-10-257-017B-20129	Sequence 20129, A
C 306	10.4	8.0	12	1	US-10-257-017B-335461	Sequence 335461,	C 379	10.4	8.0	13	1	US-10-257-017B-20130	Sequence 20130, A
C 307	10.4	8.0	12	1	US-10-257-017B-336216	Sequence 336216,	C 380	10.4	8.0	13	1	US-10-257-017B-20185	Sequence 20185, A
C 308	10.4	8.0	12	1	US-10-257-017B-336856	Sequence 336856,	381	10.4	8.0	13	1	US-10-257-017B-20186	Sequence 20186, A
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C 313	10.4	8.0	12	1	US-10-257-017B-340058	Sequence 340058,	386	10.4	8.0	13	1	US-10-257-017B-27835	Sequence 27835, A
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C 315	10.4	8.0	12	1	US-10-257-017B-343662	Sequence 343662,	388	10.4	8.0	13	1	US-10-257-017B-32553	Sequence 32553, A
C 316	10.4	8.0	12	1	US-10-257-017B-343856	Sequence 343856,	C 389	10.4	8.0	13	1	US-10-257-017B-32554	Sequence 32554, A
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C 318	10.4	8.0	12	1	US-10-257-017B-344120	Sequence 344120,	C 391	10.4	8.0	13	1	US-10-257-017B-32992	Sequence 32992, A
C 319	10.4	8.0	12	1	US-10-257-017B-344833	Sequence 344833,	392	10.4	8.0	13	1	US-10-257-017B-33447	Sequence 33447, A
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C 323	10.4	8.0	12	1	US-10-257-017B-351471	Sequence 351471,	396	10.4	8.0	13	1	US-10-257-017B-39575	Sequence 39575, A
C 324	10.4	8.0	12	1	US-10-257-017B-351735	Sequence 351735,	C 397	10.4	8.0	13	1	US-10-257-017B-39576	Sequence 39576, A
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109	11	8.5	12	1	US-10-257-017B-288484	Sequence 288484,	182	11	8.5	13	1	US-10-257-017B-159743	Sequence 159743,
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112	11	8.5	12	1	US-10-257-017B-335063	Sequence 335063,	185	11	8.5	13	1	US-10-257-017B-171678	Sequence 171678,
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116	11	8.5	12	1	US-10-257-017B-353427	Sequence 353427,	189	11	8.5	13	1	US-10-257-017B-174150	Sequence 174150,
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122	11	8.5	12	1	US-10-257-017B-381382	Sequence 381382,	195	11	8.5	13	1	US-10-257-017B-184486	Sequence 184486,
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134	11	8.5	13	1	US-10-257-017B-26414	Sequence 26414, A	207	11	8.5	13	1	US-10-257-017B-217298	Sequence 217298,
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142	11	8.5	13	1	US-10-257-017B-53384	Sequence 53384, A	215	11	8.5	13	1	US-10-257-017B-221992	Sequence 221992,
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148	11	8.5	13	1	US-10-257-017B-85204	Sequence 85204, A	221	11	8.5	13	1	US-10-257-017B-248478	Sequence 248478,
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151	11	8.5	13	1	US-10-257-017B-96949	Sequence 96949, A	224	10.8	8.3	25	1	US-60-545-213-302875	Sequence 302875,
152	11	8.5	13	1	US-10-257-017B-96950	Sequence 96950, A	225	10.6	8.2	13	1	US-10-257-017B-46137	Sequence 46137, A
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156	11	8.5	13	1	US-10-257-017B-121398	Sequence 121398,	229	10.6	8.2	13	1	US-10-257-017B-66307	Sequence 66307, A
157	11	8.5	13	1	US-10-257-017B-134019	Sequence 134019,	230	10.6	8.2	13	1	US-10-257-017B-66308	Sequence 66308, A
158	11	8.5	13	1	US-10-257-017B-134020	Sequence 134020,	231	10.6	8.2	13	1	US-10-257-017B-79623	Sequence 79623, A
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160	11	8.5	13	1	US-10-257-017B-134328	Sequence 134328,	233	10.6	8.2	13	1	US-10-257-017B-267832	Sequence 267832,
161	11	8.5	13	1	US-10-257-017B-137533	Sequence 137533,	234	10.4	8.0	12	1	US-10-257-017B-269017	Sequence 269017,
162	11	8.5	13	1	US-10-257-017B-137534	Sequence 137534,	235	10.4	8.0	12	1	US-10-257-017B-269495	Sequence 269495,
163	11	8.5	13	1	US-10-257-017B-138227	Sequence 138227,	236	10.4	8.0	12	1	US-10-257-017B-272719	Sequence 272719,
164	11	8.5	13	1	US-10-257-017B-138228	Sequence 138228,	237	10.4	8.0	12	1	US-10-257-017B-273012	Sequence 273012,
165	11	8.5	13	1	US-10-257-017B-139295	Sequence 139295,	238	10.4	8.0	12	1	US-10-257-017B-273275	Sequence 273275,
166	11	8.5	13	1	US-10-257-017B-139296	Sequence 139296,	239	10.4	8.0	12	1	US-10-257-017B-273627	Sequence 273627,
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170	11	8.5	13	1	US-10-257-017B-144840	Sequence 144840,	243	10.4	8.0	12	1	US-10-257-017B-276034	Sequence 276034,
171	11	8.5	13	1	US-10-257-017B-145423	Sequence 145423,	244	10.4	8.0	12	1	US-10-257-017B-278001	Sequence 278001,
172	11	8.5	13	1	US-10-257-017B-145424	Sequence 145424,	245	10.4	8.0	12	1	US-10-257-017B-280021	Sequence 280021,
173	11	8.5	13	1	US-10-257-017B-150145	Sequence 150145,	246	10.4	8.0	12	1	US-10-257-017B-280021	Sequence 280021,
174	11	8.5	13	1	US-10-257-017B-150146	Sequence 150146,	247	10.4	8.0	12	1	US-10-257-017B-281507	Sequence 281507,
175	11	8.5	13	1	US-10-257-017B-151881	Sequence 151881,	248	10.4	8.0	12	1	US-10-257-017B-282776	Sequence 282776,
176	11	8.5	13	1	US-10-257-017B-151882	Sequence 151882,	249	10.4	8.0	12	1	US-10-257-017B-283401	Sequence 283401,
177	11	8.5	13	1	US-10-257-017B-156087	Sequence 156087,	250	10.4	8.0	12	1	US-10-257-017B-284231	Sequence 284231,
178	11	8.5	13	1	US-10-257-017B-156088	Sequence 156088,	251	10.4	8.0	12	1	US-10-257-017B-284590	Sequence 284590,
179	11	8.5	13	1	US-10-257-017B-159615	Sequence 159615,	252	10.4	8.0	12	1	US-10-257-017B-285127	Sequence 285127,
					Sequence 159616,	Sequence 159616,						US-10-257-017B-286087	Sequence 286087,

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OM nucleic - nucleic search, using sw model

Run on: April 7, 2004, 07:12:34 ; Search time 4 Seconds
(without alignments)
3.310 Million cell updates/sec

Title: us-10-006-911-3
Perfect score: 130
Sequence: 1 tcagggaagaataattc.....ggtgatcaagcaaatagga 130

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 0.5

Searched: 3976 seqs, 50925 residues

Total number of hits satisfying chosen parameters: 7952

Minimum DB seq length: 8
Maximum DB seq length: 50

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 1000 summaries

Database : rnpn.seq:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match %	Length	DB ID	Description
C 1	17.6	13.5	25	1 US-60-545-213-302875	Sequence 302875,
2	15.2	11.7	20	1 PCT-US04-02003-307	Sequence 307, App
C 3	15.2	11.7	21	1 PCT-US04-00035-39723	Sequence 39723, A
4	15.2	11.7	21	1 US-10-770-726-10180	Sequence 10180, A
5	14.8	11.4	21	1 PCT-US04-00035-28414	Sequence 28414, A
6	14.8	11.4	21	1 PCT-US04-00035-28415	Sequence 28415, A
7	14.8	11.4	21	1 PCT-US04-00035-28417	Sequence 28417, A
8	14.8	11.4	21	1 PCT-US04-00035-28418	Sequence 28418, A
C 9	13.8	10.6	19	1 PCT-US03-32805-149	Sequence 149, App
C 10	13	10.0	13	1 US-10-257-017B-173479	Sequence 173479,
11	13	10.0	13	1 US-10-257-017B-173480	Sequence 173480,
12	13	10.0	13	1 US-10-257-017B-237045	Sequence 237045,
C 13	13	10.0	13	1 US-10-257-017B-237046	Sequence 237046,
C 14	12	9.2	12	1 US-10-257-017B-275206	Sequence 275206,
15	12	9.2	12	1 US-10-257-017B-358611	Sequence 358611,
C 16	12	9.2	12	1 US-10-257-017B-370810	Sequence 370810,
17	12	9.2	13	1 US-10-257-017B-95977	Sequence 95977, A
C 18	12	9.2	13	1 US-10-257-017B-95978	Sequence 95978, A
19	12	9.2	13	1 US-10-257-017B-122875	Sequence 122875,
C 20	12	9.2	13	1 US-10-257-017B-122876	Sequence 122876,
21	12	9.2	13	1 US-10-257-017B-142019	Sequence 142019,
C 22	12	9.2	13	1 US-10-257-017B-142020	Sequence 142020,
23	12	9.2	13	1 US-10-257-017B-158575	Sequence 158575,
C 24	12	9.2	13	1 US-10-257-017B-158576	Sequence 158576,
C 25	12	9.2	13	1 US-10-257-017B-173475	Sequence 173475,
26	12	9.2	13	1 US-10-257-017B-173476	Sequence 173476,
27	12	9.2	13	1 US-10-257-017B-245003	Sequence 245003,
C 28	12	9.2	13	1 US-10-257-017B-245004	Sequence 245004,
C 29	11.6	8.9	13	1 US-10-257-017B-189699	Sequence 189699,
30	11.6	8.9	13	1 US-10-257-017B-189700	Sequence 189700,
C 31	11.4	8.8	13	1 US-10-257-017B-38155	Sequence 38155, A
32	11.4	8.8	13	1 US-10-257-017B-38156	Sequence 38156, A
33	11.4	8.8	13	1 US-10-257-017B-44789	Sequence 44789, A

13	13	13	1	US-10-257-017B-44790	Sequence 44790, A
13	13	13	1	US-10-257-017B-46249	Sequence 46249, A
13	13	13	1	US-10-257-017B-46250	Sequence 46250, A
13	13	13	1	US-10-257-017B-56899	Sequence 56899, A
13	13	13	1	US-10-257-017B-56900	Sequence 56900, A
13	13	13	1	US-10-257-017B-59939	Sequence 59939, A
13	13	13	1	US-10-257-017B-59940	Sequence 59940, A
13	13	13	1	US-10-257-017B-63939	Sequence 63939, A
13	13	13	1	US-10-257-017B-63940	Sequence 63940, A
13	13	13	1	US-10-257-017B-64463	Sequence 64463, A
13	13	13	1	US-10-257-017B-64464	Sequence 64464, A
13	13	13	1	US-10-257-017B-64669	Sequence 64669, A
13	13	13	1	US-10-257-017B-64670	Sequence 64670, A
13	13	13	1	US-10-257-017B-66953	Sequence 66953, A
13	13	13	1	US-10-257-017B-66954	Sequence 66954, A
13	13	13	1	US-10-257-017B-83729	Sequence 83729, A
13	13	13	1	US-10-257-017B-83730	Sequence 83730, A
13	13	13	1	US-10-257-017B-85503	Sequence 85503, A
13	13	13	1	US-10-257-017B-85504	Sequence 85504, A
13	13	13	1	US-10-257-017B-97197	Sequence 97197, A
13	13	13	1	US-10-257-017B-97198	Sequence 97198, A
13	13	13	1	US-10-257-017B-99881	Sequence 99881, A
13	13	13	1	US-10-257-017B-99882	Sequence 99882, A
13	13	13	1	US-10-257-017B-136991	Sequence 136991,
13	13	13	1	US-10-257-017B-136992	Sequence 136992,
13	13	13	1	US-10-257-017B-137373	Sequence 137373,
13	13	13	1	US-10-257-017B-137374	Sequence 137374,
13	13	13	1	US-10-257-017B-137723	Sequence 137723,
13	13	13	1	US-10-257-017B-137724	Sequence 137724,
13	13	13	1	US-10-257-017B-138953	Sequence 138953,
13	13	13	1	US-10-257-017B-138954	Sequence 138954,
13	13	13	1	US-10-257-017B-145723	Sequence 145723,
13	13	13	1	US-10-257-017B-145724	Sequence 145724,
13	13	13	1	US-10-257-017B-150141	Sequence 150141,
13	13	13	1	US-10-257-017B-150142	Sequence 150142,
13	13	13	1	US-10-257-017B-151701	Sequence 151701,
13	13	13	1	US-10-257-017B-151702	Sequence 151702,
13	13	13	1	US-10-257-017B-154357	Sequence 154357,
13	13	13	1	US-10-257-017B-154358	Sequence 154358,
13	13	13	1	US-10-257-017B-154795	Sequence 154795,
13	13	13	1	US-10-257-017B-154796	Sequence 154796,
13	13	13	1	US-10-257-017B-161089	Sequence 161089,
13	13	13	1	US-10-257-017B-161090	Sequence 161090,
13	13	13	1	US-10-257-017B-171583	Sequence 171583,
13	13	13	1	US-10-257-017B-171584	Sequence 171584,
13	13	13	1	US-10-257-017B-172419	Sequence 172419,
13	13	13	1	US-10-257-017B-172420	Sequence 172420,
13	13	13	1	US-10-257-017B-173477	Sequence 173477,
13	13	13	1	US-10-257-017B-173478	Sequence 173478,
13	13	13	1	US-10-257-017B-189805	Sequence 189805,
13	13	13	1	US-10-257-017B-189806	Sequence 189806,
13	13	13	1	US-10-257-017B-216233	Sequence 216233,
13	13	13	1	US-10-257-017B-216234	Sequence 216234,
13	13	13	1	US-10-257-017B-216235	Sequence 216235,
13	13	13	1	US-10-257-017B-216236	Sequence 216236,
13	13	13	1	US-10-257-017B-221379	Sequence 221379,
13	13	13	1	US-10-257-017B-221380	Sequence 221380,
13	13	13	1	US-10-257-017B-223955	Sequence 223955,
13	13	13	1	US-10-257-017B-223956	Sequence 223956,
13	13	13	1	US-10-257-017B-231559	Sequence 231559,
13	13	13	1	US-10-257-017B-231560	Sequence 231560,
13	13	13	1	US-10-257-017B-237019	Sequence 237019,
13	13	13	1	US-10-257-017B-237020	Sequence 237020,
13	13	13	1	US-10-257-017B-237047	Sequence 237047,
13	13	13	1	US-10-257-017B-237048	Sequence 237048,
13	13	13	1	US-10-257-017B-237049	Sequence 237049,
13	13	13	1	US-10-257-017B-237050	Sequence 237050,
12	12	11	1	US-10-257-017B-268599	Sequence 268599,
12	12	11	1	US-10-257-017B-276339	Sequence 276339,
12	12	11	1	US-10-257-017B-279373	Sequence 279373,
12	12	11	1	US-10-257-017B-282131	Sequence 282131,
12	12	11	1	US-10-257-017B-282132	Sequence 282132,
12	12	11	1	US-10-257-017B-282391	Sequence 282391,


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; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 112259
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0028043
US-10-257-017B-112259

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1408 TGTTAATGATGA 1419
Db 1 TGTTAGTGATGA 12

RESULT 455
US-10-257-017B-112260/c
; Sequence 112260, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 112260
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0028043
US-10-257-017B-112260

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1408 TGTTAATGATGA 1419
Db 13 TGTTAGTGATGA 2

RESULT 456
US-10-257-017B-114029/c
; Sequence 114029, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 114029
```

```
US-10-257-017B-110757
; Sequence 110757, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 110757
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0027637
US-10-257-017B-110757

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1352 AAGAAAAATATT 1363
Db 1 AAGAAAAATATT 12

RESULT 453
US-10-257-017B-110758/c
; Sequence 110758, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 110758
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0027637
US-10-257-017B-110758

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1352 AAGAAAAATATT 1363
Db 13 AAGAAAAATATT 2

RESULT 454
US-10-257-017B-112259
; Sequence 112259, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
```


RESULT 461

```
; Sequence 115350, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 115350
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0028921
US-10-257-017B-115350
```

```
Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
```

```
QY 1449 AAGATGGGTTGA 1460
      |||||||
Db 12 AATATGGGTTGA 1
```

RESULT 462

```
US-10-257-017B-116365
; Sequence 116365, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 116365
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0029134
US-10-257-017B-116365
```

```
Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
```

```
QY 1452 ATGGGTTGATCA 1463
      |||||||
Db 2 ATGGGTTGATTA 13
```

RESULT 463

```
US-10-257-017B-116366/c
; Sequence 116366, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
```

```
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 116366
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0029134
US-10-257-017B-116366
```

```
Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
```

```
QY 1452 ATGGGTTGATCA 1463
      |||||||
Db 12 ATGGGTTGATTA 1
```

RESULT 464

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US-10-257-017B-116833/c
; Sequence 116833, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 116833
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0029237
US-10-257-017B-116833
```

```
Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
```

```
QY 1355 AAAAATATTCCA 1366
      |||||||
Db 12 AAAAATAATCCA 1
```

```
RESULT 465
US-10-257-017B-116834
; Sequence 116834, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 116834
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
```

; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0029297
US-10-257-017B-116834

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1355 AAAAATATTCCA 1366
|||||
Db 2 AAAAATATTCCA 13

RESULT 466

US-10-257-017B-117055
; Sequence 117055, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 117055
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0029297
US-10-257-017B-117055

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1394 AAAGGAGGTAAA 1405
|||||
Db 1 AAAGGAGGTAAA 12

RESULT 467

US-10-257-017B-117056/c
; Sequence 117056, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 117056
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0029297
US-10-257-017B-117056

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1394 AAAGGAGGTAAA 1405
|||||

Db 13 AAAGGATGTAAA 2

RESULT 468

US-10-257-017B-117057
; Sequence 117057, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 117057
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0029297
US-10-257-017B-117057

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1394 AAAGGAGGTAAA 1405
|||||
Db 1 AAAGGAGGTAAA 12

RESULT 469

US-10-257-017B-117058/c
; Sequence 117058, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 117058
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0029297
US-10-257-017B-117058

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1394 AAAGGAGGTAAA 1405
|||||
Db 13 AAAGGAGGTAAA 2

RESULT 470

US-10-257-017B-119549
; Sequence 119549, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock

```
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 119549
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0029841
US-10-257-017B-119549

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1404 AAATTGTTAATG 1415
Db 2 ATATTGTTAATG 13

RESULT 471
US-10-257-017B-119550/c
; Sequence 119550, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 119550
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0029841
US-10-257-017B-119550

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1404 AAATTGTTAATG 1415
Db 12 ATATTGTTAATG 1

RESULT 472
US-10-257-017B-120329
; Sequence 120329, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
```

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; SEQ ID NO 120329
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0030029
US-10-257-017B-120329

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1350 GGAAGAAAAATA 1361
Db 2 GAAAGAAAAATA 13

RESULT 473
US-10-257-017B-120330/c
; Sequence 120330, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 120330
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0030029
US-10-257-017B-120330

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1350 GGAAGAAAAATA 1361
Db 12 GAAAGAAAAATA 1

RESULT 474
US-10-257-017B-122873
; Sequence 122873, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 122873
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0030713
US-10-257-017B-122873

Query Match      8.0%; Score 10.4; DB 1; Length 13;
```



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Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1403 AAAATTGTTAAT 1414
Db 1 AAAATTATTAAAT 12

RESULT 475
US-10-257-017B-122874/c
; Sequence 122874, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 122874
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0030713
US-10-257-017B-122874

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1403 AAAATTGTTAAT 1414
Db 13 AAAATTATTAAAT 2

RESULT 476
US-10-257-017B-122877
; Sequence 122877, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 122877
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0030713
US-10-257-017B-122877

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1403 AAAATTGTTAAT 1414
Db 1 AAAATTGTTAAT 12

RESULT 477
US-10-257-017B-122877
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US-10-257-017B-122878/c
; Sequence 122878, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 122878
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0030713
US-10-257-017B-122878

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1403 AAAATTGTTAAT 1414
Db 13 AAAATCGTTAAT 2

RESULT 478
US-10-257-017B-125127
; Sequence 125127, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 125127
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0031262
US-10-257-017B-125127

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1406 ATTGTTAATGAT 1417
Db 1 ATTGATAATGAT 12

RESULT 479
US-10-257-017B-125128/c
; Sequence 125128, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
```

; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 125128
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0031262
US-10-257-017B-125128

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1406 ATTGTTAATGAT 1417
|||||
Db 13 ATTGATAATGAT 2

RESULT 480

US-10-257-017B-126929
; Sequence 126929, Application US/10257017B
; GENERAL INFORMATION:

; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin

; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine

; FILE REFERENCE: E01/1193/WO

; CURRENT APPLICATION NUMBER: US/10/257,017B

; PRIOR FILING DATE: 2002-10-07

; PRIOR APPLICATION NUMBER: DE 10019173.8

; PRIOR FILING DATE: 2000-04-07

; NUMBER OF SEQ ID NOS: 382046

; SEQ ID NO 126929

; LENGTH: 13

; TYPE: DNA

; ORGANISM: Artificial Sequence

; FEATURE:

; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0031761
US-10-257-017B-126929

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1404 AAATTGTTAATG 1415
|||||
Db 2 AAATAGTTAATG 13

RESULT 481

US-10-257-017B-126930/c
; Sequence 126930, Application US/10257017B
; GENERAL INFORMATION:

; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin

; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine

; FILE REFERENCE: E01/1193/WO

; CURRENT APPLICATION NUMBER: US/10/257,017B

; PRIOR FILING DATE: 2002-10-07

; PRIOR APPLICATION NUMBER: DE 10019173.8

; PRIOR FILING DATE: 2000-04-07

; NUMBER OF SEQ ID NOS: 382046

; SEQ ID NO 126930

; LENGTH: 13

; TYPE: DNA

; ORGANISM: Artificial Sequence

; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0031761
US-10-257-017B-126930

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1404 AAATTGTTAATG 1415
|||||
Db 12 AAATAGTTAATG 1

RESULT 482

US-10-257-017B-132023/c
; Sequence 132023, Application US/10257017B
; GENERAL INFORMATION:

; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin

; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine

; FILE REFERENCE: E01/1193/WO

; CURRENT APPLICATION NUMBER: US/10/257,017B

; PRIOR FILING DATE: 2002-10-07

; PRIOR APPLICATION NUMBER: DE 10019173.8

; PRIOR FILING DATE: 2000-04-07

; NUMBER OF SEQ ID NOS: 382046

; SEQ ID NO 132023

; LENGTH: 13

; TYPE: DNA

; ORGANISM: Artificial Sequence

; FEATURE:

; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0032951
US-10-257-017B-132023

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1355 AAAAATATTCCA 1366
|||||
Db 12 AAAAATATTCTA 1

RESULT 483

US-10-257-017B-132024
; Sequence 132024, Application US/10257017B
; GENERAL INFORMATION:

; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin

; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine

; FILE REFERENCE: E01/1193/WO

; CURRENT APPLICATION NUMBER: US/10/257,017B

; PRIOR FILING DATE: 2002-10-07

; PRIOR APPLICATION NUMBER: DE 10019173.8

; PRIOR FILING DATE: 2000-04-07

; NUMBER OF SEQ ID NOS: 382046

; SEQ ID NO 132024

; LENGTH: 13

; TYPE: DNA

; ORGANISM: Artificial Sequence

; FEATURE:

; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0032951
US-10-257-017B-132024

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1355 AAAAATATTCCA 1366

```
Db      2 AAAAAATATTCTA 13
|||||
RESULT 484
US-10-257-017B-136835
; Sequence 136835, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 136835
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0034204
US-10-257-017B-136835

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy      1448 GAAGATGGGTTG 1459
|||
Db      2 GATGATGGGTTG 13

RESULT 485
US-10-257-017B-136836/c
; Sequence 136836, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 136836
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0034204
US-10-257-017B-136836

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy      1448 GAAGATGGGTTG 1459
|||
Db      2 GATGATGGGTTG 13

RESULT 486
US-10-257-017B-137595
; Sequence 137595, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
```

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; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 137595
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0034394
US-10-257-017B-137595

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy      1352 AAGAAAAATATT 1363
|||||
Db      2 AAGAAATATATT 13

RESULT 487
US-10-257-017B-137596/c
; Sequence 137596, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 137596
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0034394
US-10-257-017B-137596

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy      1352 AAGAAAAATATT 1363
|||||
Db      12 AAGAAATATATT 1

RESULT 488
US-10-257-017B-137827/c
; Sequence 137827, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
```

; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 137827
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0034453
US-10-257-017B-137827

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1356 AAAATATTCCAC 1367
|||||
Db 13 AAAATATACCAC 2

RESULT 489

US-10-257-017B-137828
; Sequence 137828, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 137828
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0034453
US-10-257-017B-137828

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1356 AAAATATTCCAC 1367
|||||
Db 1 AAAATATACCAC 12

RESULT 490

US-10-257-017B-138159
; Sequence 138159, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 138159
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0034582
US-10-257-017B-138159

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1351 GAAGAAAAATAT 1362
|||||
Db 1 GAAAAAAATAT 12

RESULT 491

US-10-257-017B-138160/c
; Sequence 138160, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 138160
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0034582
US-10-257-017B-138160

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1351 GAAGAAAAATAT 1362
|||||
Db 13 GAAAAAAATAT 2

RESULT 492

US-10-257-017B-138473/c
; Sequence 138473, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 138473
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0034672
US-10-257-017B-138473

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1355 AAAATATTCCA 1366
|||||
Db 13 AAAATATTACA 2


```
RESULT 493
US-10-257-017B-138474
; Sequence 138474, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 138474
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0034874
US-10-257-017B-138474

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1355 AAAAATATTCCA 1366
Db 1 AAAAATATTACA 12

RESULT 494
US-10-257-017B-139219
; Sequence 139219, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 139219
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0034874
US-10-257-017B-139219

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1400 GGTAAATTTGTT 1411
Db 1 GGTAGAAATTTGTT 12

RESULT 495
US-10-257-017B-139220/c
; Sequence 139220, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 142022
; LENGTH: 13
; TYPE: DNA

RESULT 496
US-10-257-017B-142021
; Sequence 142021, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 142021
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0035574
US-10-257-017B-142021

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1348 GGGGAAGAAAAA 1359
Db 2 GGGGAGGAAAAA 13

RESULT 497
US-10-257-017B-142022/c
; Sequence 142022, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 142022
; LENGTH: 13
; TYPE: DNA
```

```
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0035574
US-10-257-017B-142022
```

```
Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
```

```
QY 1348 GGGGAAGAAAAA 1359
      ||||| |||||
Db 12 GGGGAGGAAAAA 1
```

```
RESULT 498
US-10-257-017B-144935
; Sequence 144935, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 144935
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0036443
US-10-257-017B-144935
```

```
Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
```

```
QY 1447 GGAAGATGGTT 1458
      ||||| |||||
Db 1 GGAAGATGGTT 12
```

```
RESULT 499
US-10-257-017B-144936/c
; Sequence 144936, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 144936
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0036443
US-10-257-017B-144936
```

```
Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
```

```
QY 1447 GGAAGATGGTT 1458
      ||||| |||||
Db 13 GGAAGATGGTT 2
```

```
RESULT 500
US-10-257-017B-145569
; Sequence 145569, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 145569
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0036660
US-10-257-017B-145569
```

```
Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
```

```
QY 1398 GAGGTAAATTG 1409
      ||||| |||||
Db 1 GAGGTAAATTG 12
```

```
RESULT 501
US-10-257-017B-145570/c
; Sequence 145570, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 145570
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0036660
US-10-257-017B-145570
```

```
Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
```

```
QY 1398 GAGGTAAATTG 1409
      ||||| |||||
Db 13 GAGGTAAATTG 2
```

```
RESULT 502
US-10-257-017B-146343
; Sequence 146343, Application US/10257017B
; GENERAL INFORMATION:
```

```
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 146343
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0036879
US-10-257-017B-146343
```

```
Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
```

```
QY 1401 GTAAAATTGTTA 1412
Db 2 GTAAAATTGTTA 13
```

```
RESULT 503
US-10-257-017B-146344/c
; Sequence 146344, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 146344
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0036879
US-10-257-017B-146344
```

```
Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
```

```
QY 1401 GTAAAATTGTTA 1412
Db 2 GTAAAATTGTTA 1
```

```
RESULT 504
US-10-257-017B-146463
; Sequence 146463, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
```

```
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 146463
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0036932
US-10-257-017B-146463
```

```
Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
```

```
QY 1348 GGGGAAGAAAAA 1359
Db 2 GGGGAAGAAAAA 13
```

```
RESULT 505
US-10-257-017B-146464/c
; Sequence 146464, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 146464
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0036932
US-10-257-017B-146464
```

```
Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
```

```
QY 1348 GGGGAAGAAAAA 1359
Db 12 GGGGAAGAAAAA 1
```

```
RESULT 506
US-10-257-017B-147957
; Sequence 147957, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 147957
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0037358
US-10-257-017B-147957
```

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1373 ACGAGCGATCGT 1384
| | | | | | | | | |
Db 1 ATGAGCGATCGT 12

RESULT 507
US-10-257-017B-147958/c
; Sequence 147958, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 147958
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0037358
US-10-257-017B-147958

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1373 ACGAGCGATCGT 1384
| | | | | | | | | |
Db 13 ATGAGCGATCGT 2

RESULT 508
US-10-257-017B-148003/c
; Sequence 148003, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 148003
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0037367
US-10-257-017B-148003

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1355 AAAAATATTCCA 1366
| | | | | | | | | |
Db 13 AAAAATTTTCCA 2

RESULT 509
US-10-257-017B-148004
; Sequence 148004, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 148004
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0037367
US-10-257-017B-148004

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1355 AAAAATATTCCA 1366
| | | | | | | | | |
Db 1 AAAAATTTTCCA 12

RESULT 510
US-10-257-017B-148005/c
; Sequence 148005, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 148005
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0037367
US-10-257-017B-148005

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1355 AAAAATATTCCA 1366
| | | | | | | | | |
Db 13 AAAAATCTTCCA 2

RESULT 511
US-10-257-017B-148006
; Sequence 148006, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine


```
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 148006
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC00037367
US-10-257-017B-148006
```

```
Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
```

```
QY 1355 AAAAATATTCCA 1366
    ||||| |||||
Db 1 AAAAATCTTCCA 12
```

```
RESULT 512
US-10-257-017B-149825
; Sequence 149825, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 149825
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC00037804
US-10-257-017B-149825
```

```
Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
```

```
QY 1403 AAAATTGTTAAT 1414
    ||| ||||| |||||
Db 1 AAAGTTGTTAAT 12
```

```
RESULT 513
US-10-257-017B-149826/c
; Sequence 149826, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 149826
; LENGTH: 13
```

```
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC00037804
US-10-257-017B-149826
```

```
Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
```

```
QY 1403 AAAATTGTTAAT 1414
    ||| ||||| |||||
Db 13 AAAGTTGTTAAT 2
```

```
RESULT 514
US-10-257-017B-149883
; Sequence 149883, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 149883
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC00037822
US-10-257-017B-149883
```

```
Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
```

```
QY 1397 GGAGGTAAAT 1408
    ||||| ||||| |||||
Db 1 GGAGGTAGAAAT 12
```

```
RESULT 515
US-10-257-017B-149884/c
; Sequence 149884, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 149884
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC00037822
US-10-257-017B-149884
```

```
Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
```

```
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 150203
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0037911
US-10-257-017B-150203

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1355 AAAAATATTCCA 1366
Db 13 AAAAATATTACA 2

RESULT 519
US-10-257-017B-150204
; Sequence 150204, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 150204
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0037911
US-10-257-017B-150204

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1355 AAAAATATTCCA 1366
Db 1 AAAAATATTACA 12

RESULT 520
US-10-257-017B-150693/c
; Sequence 150693, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 150061
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0037873
US-10-257-017B-150061

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1401 GTAAAATTGTTA 1412
Db 1 GTAAAATTTTTA 12

RESULT 517
US-10-257-017B-150062/c
; Sequence 150062, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 150062
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0037873
US-10-257-017B-150062

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1401 GTAAAATTGTTA 1412
Db 13 GTAAAATTTTTA 2

RESULT 518
US-10-257-017B-150203/c
; Sequence 150203, Application US/10257017B
```

; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 150693
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0038026
US-10-257-017B-150693

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1434 CAGACATATACA 1445
Db 13 CACACATATACA 2

RESULT 521

US-10-257-017B-150694
; Sequence 150694, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 150694
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0038026
US-10-257-017B-150694

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1434 CAGACATATACA 1445
Db 1 CACACATATACA 12

RESULT 522

US-10-257-017B-151927/c
; Sequence 151927, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 151927
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0038388

US-10-257-017B-151927

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1353 AGAAAAATATTC 1364
Db 13 ACAAAAATATTC 2

RESULT 523

US-10-257-017B-151928
; Sequence 151928, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 151928
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0038388
US-10-257-017B-151928

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1353 AGAAAAATATTC 1364
Db 1 ACAAAAATATTC 12

RESULT 524

US-10-257-017B-152249
; Sequence 152249, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 152249
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0038467
US-10-257-017B-152249

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1408 TGTTAATGATGA 1419
Db 1 TGTTAATGTTGA 12

```

; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 152798
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0038616
US-10-257-017B-152798

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1403 AAAATTGTTAAT 1414
      |||||
Db 13 AAAATTGTTAAT 2

RESULT 528
US-10-257-017B-153537
; Sequence 153537, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 153537
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0038815
US-10-257-017B-153537

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1448 GAAGATGGTTG 1459
      |||||
Db 2 GAAGATGGTTG 13

RESULT 529
US-10-257-017B-153538/c
; Sequence 153538, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 153538

; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 153538

```

```

US-10-257-017B-152250/c
; Sequence 152250, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 152250
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0038467
US-10-257-017B-152250

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1408 TGTTAATGATGA 1419
      |||||
Db 13 TGTTAATGATGA 2

RESULT 526
US-10-257-017B-152797
; Sequence 152797, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 152797
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0038616
US-10-257-017B-152797

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1403 AAAATTGTTAAT 1414
      |||||
Db 1 AAAATTGTTAAT 12

RESULT 527
US-10-257-017B-152798/c
; Sequence 152798, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin

```



```
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0038815
US-10-257-017B-153538
```

```
Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
```

```
QY 1448 GAAGATGGTTG 1459
    |||||
Db 12 GAAGATGGTTG 1
```

```
RESULT 530
US-10-257-017B-153905/c
; Sequence 153905, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 153905
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0038907
US-10-257-017B-153905
```

```
Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
```

```
QY 1355 AAAAATATTCCA 1366
    |||||
Db 12 AAAAATATTACA 1
```

```
RESULT 531
US-10-257-017B-153906
; Sequence 153906, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 153906
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0038907
US-10-257-017B-153906
```

```
Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
```

```
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1355 AAAAATATTCCA 1366
    |||||
Db 2 AAAAATATTACA 13
```

```
RESULT 532
US-10-257-017B-158573
; Sequence 158573, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 158573
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0039915
US-10-257-017B-158573
```

```
Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
```

```
QY 1402 TAAAATGTTAA 1413
    |||||
Db 1 TAAAATGTTAA 12
```

```
RESULT 533
US-10-257-017B-158574/c
; Sequence 158574, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 158574
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0039915
US-10-257-017B-158574
```

```
Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
```

```
QY 1402 TAAAATGTTAA 1413
    |||||
Db 13 TAAAATGTTAA 2
```

```
RESULT 534
US-10-257-017B-158577
```

; Sequence 158577, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 158577
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0039915
US-10-257-017B-158577

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1402 TAAATCGTTAA 1413
|||||
Db 1 TAAATCGTTAA 12

RESULT 535

US-10-257-017B-158578/c
; Sequence 158578, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 158578
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0039915
US-10-257-017B-158578

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1402 TAAATCGTTAA 1413
|||||
Db 13 TAAATCGTTAA 2

RESULT 536

US-10-257-017B-160677
; Sequence 160677, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B

; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 160677
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0040462
US-10-257-017B-160677

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1405 AATTGTTAATGA 1416
|||||
Db 2 AATTGTTAAGA 13

RESULT 537

US-10-257-017B-160678/c
; Sequence 160678, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 160678
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0040462
US-10-257-017B-160678

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1405 AATTGTTAATGA 1416
|||||
Db 12 AATTGTTAAGA 1

RESULT 538

US-10-257-017B-161201/c
; Sequence 161201, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 161201
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:

; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0040584
US-10-257-017B-161201

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1434 CAGACATATACA 1445
|| |||||
DB 12 CACACATATACA 1

RESULT 539

US-10-257-017B-161202
; Sequence 161202, Application US/10257017B

; GENERAL INFORMATION:

; APPLICANT: Alexander Olek

; APPLICANT: Christian Piepenbrock

; APPLICANT: Kurt Berlin

; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine

; TITLE OF INVENTION: methylations

; FILE REFERENCE: E01/1193/WO

; CURRENT APPLICATION NUMBER: US/10/257,017B

; CURRENT FILING DATE: 2002-10-07

; PRIOR APPLICATION NUMBER: DE 10019173.8

; PRIOR FILING DATE: 2000-04-07

; NUMBER OF SEQ ID NOS: 382046

; SEQ ID NO 161202

; LENGTH: 13

; TYPE: DNA

; ORGANISM: Artificial Sequence

; FEATURE:

; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0040584

US-10-257-017B-161202

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1434 CAGACATATACA 1445
|| |||||
DB 2 CACACATATACA 13

RESULT 540

US-10-257-017B-165193

; Sequence 165193, Application US/10257017B

; GENERAL INFORMATION:

; APPLICANT: Alexander Olek

; APPLICANT: Christian Piepenbrock

; APPLICANT: Kurt Berlin

; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine

; TITLE OF INVENTION: methylations

; FILE REFERENCE: E01/1193/WO

; CURRENT APPLICATION NUMBER: US/10/257,017B

; CURRENT FILING DATE: 2002-10-07

; PRIOR APPLICATION NUMBER: DE 10019173.8

; PRIOR FILING DATE: 2000-04-07

; NUMBER OF SEQ ID NOS: 382046

; SEQ ID NO 165193

; LENGTH: 13

; TYPE: DNA

; ORGANISM: Artificial Sequence

; FEATURE:

; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0041433

US-10-257-017B-165193

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1447 GGAAGATGGGT 1458
||| |||||

Db 2 GGAAATGGGT 13

RESULT 541

US-10-257-017B-165194/c

; Sequence 165194, Application US/10257017B

; GENERAL INFORMATION:

; APPLICANT: Alexander Olek

; APPLICANT: Christian Piepenbrock

; APPLICANT: Kurt Berlin

; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine

; TITLE OF INVENTION: methylations

; FILE REFERENCE: E01/1193/WO

; CURRENT APPLICATION NUMBER: US/10/257,017B

; CURRENT FILING DATE: 2002-10-07

; PRIOR APPLICATION NUMBER: DE 10019173.8

; PRIOR FILING DATE: 2000-04-07

; NUMBER OF SEQ ID NOS: 382046

; SEQ ID NO 165194

; LENGTH: 13

; TYPE: DNA

; ORGANISM: Artificial Sequence

; FEATURE:

; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0041433

US-10-257-017B-165194

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1447 GGAAGATGGGT 1458
||| |||||
DB 12 GGAAATGGGT 1

RESULT 542

US-10-257-017B-165707

; Sequence 165707, Application US/10257017B

; GENERAL INFORMATION:

; APPLICANT: Alexander Olek

; APPLICANT: Christian Piepenbrock

; APPLICANT: Kurt Berlin

; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine

; TITLE OF INVENTION: methylations

; FILE REFERENCE: E01/1193/WO

; CURRENT APPLICATION NUMBER: US/10/257,017B

; CURRENT FILING DATE: 2002-10-07

; PRIOR APPLICATION NUMBER: DE 10019173.8

; PRIOR FILING DATE: 2000-04-07

; NUMBER OF SEQ ID NOS: 382046

; SEQ ID NO 165707

; LENGTH: 13

; TYPE: DNA

; ORGANISM: Artificial Sequence

; FEATURE:

; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0041557

US-10-257-017B-165707

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1446 TGAAGATGGGT 1457
||| |||||
DB 2 TGAAGATGGGT 13

RESULT 543

US-10-257-017B-165708/c

; Sequence 165708, Application US/10257017B

; GENERAL INFORMATION:

; APPLICANT: Alexander Olek

; APPLICANT: Christian Piepenbrock

; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 165708
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0041557
US-10-257-017B-165708

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1446 TGAAGATGGGT 1457
||| |||||
Db 12 TGAAGATGGGT 1

RESULT 544
US-10-257-017B-170191/c
; Sequence 170191, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 170191
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0042491
US-10-257-017B-170191

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1435 AGACATATACAT 1446
||| |||||
Db 13 AAACATATACAT 2

RESULT 545
US-10-257-017B-170192
; Sequence 170192, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046

; SEQ ID NO 170192
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0042491
US-10-257-017B-170192

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1435 AGACATATACAT 1446
||| |||||
Db 1 AAACATATACAT 12

RESULT 546
US-10-257-017B-170635
; Sequence 170635, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 170635
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0042571
US-10-257-017B-170635

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1441 ATACATGGAAGA 1452
||| |||||
Db 2 ATAAATGGAAGA 13

RESULT 547
US-10-257-017B-170636/c
; Sequence 170636, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 170636
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0042571
US-10-257-017B-170636

Query Match 8.0%; Score 10.4; DB 1; Length 13;

Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1441 ATACATGGAAGA 1452
Db 12 ATAAATGGAAGA 1

RESULT 548

US-10-257-017B-170731/c
; Sequence 170731, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 170731
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0042589
US-10-257-017B-170731

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1460 ATCAAGCAAATA 1471
Db 12 ATCAGCAAATA 1

RESULT 549

US-10-257-017B-170732
; Sequence 170732, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 170732
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0042589
US-10-257-017B-170732

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1460 ATCAAGCAAATA 1471
Db 2 ATCAGCAAATA 13

RESULT 550

US-10-257-017B-171859/c
; Sequence 171859, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 171859
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0042837
US-10-257-017B-171859

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1402 TAAAATTGTAA 1413
Db 12 TAAAATTATTAA 1

RESULT 551

US-10-257-017B-171860
; Sequence 171860, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 171860
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0042837
US-10-257-017B-171860

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1402 TAAAATTGTAA 1413
Db 2 TAAAATTATTAA 13

RESULT 552

US-10-257-017B-172945
; Sequence 172945, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO

```
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 172945
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0043092
US-10-257-017B-172945
```

```
Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
```

```
QY 1352 AAGAAAAATATT 1363
    ||||| |||||
DB 2 AAGATAAATATT 13
```

RESULT 553

```
US-10-257-017B-172946/c
; Sequence 172946, Application US/10257017B
; GENERAL INFORMATION:
```

```
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 172946
```

```
; LENGTH: 13
; TYPE: DNA
```

```
; ORGANISM: Artificial Sequence
; FEATURE:
```

```
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0043092
US-10-257-017B-172946
```

```
Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
```

```
QY 1352 AAGAAAAATATT 1363
    ||||| |||||
DB 12 AAGATAAATATT 1
```

RESULT 554

```
US-10-257-017B-173473/c
; Sequence 173473, Application US/10257017B
; GENERAL INFORMATION:
```

```
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 173473
```

```
; LENGTH: 13
; TYPE: DNA
```

```
; ORGANISM: Artificial Sequence
```

```
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0043213
US-10-257-017B-173473
```

```
Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
```

```
QY 1356 AAAATATTCCAC 1367
    ||||| |||||
DB 13 AAAATACTCCAC 2
```

RESULT 555

```
US-10-257-017B-173474
; Sequence 173474, Application US/10257017B
; GENERAL INFORMATION:
```

```
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 173474
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
```

```
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0043213
US-10-257-017B-173474
```

```
Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
```

```
QY 1356 AAAATATTCCAC 1367
    ||||| |||||
DB 1 AAAATACTCCAC 12
```

RESULT 556

```
US-10-257-017B-176213
; Sequence 176213, Application US/10257017B
; GENERAL INFORMATION:
```

```
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 176213
```

```
; LENGTH: 13
; TYPE: DNA
```

```
; ORGANISM: Artificial Sequence
; FEATURE:
```

```
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0010154
US-10-257-017B-176213
```

```
Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
```

```
QY 1403 AAAATTGTTAAT 1414
```

```
Db      | |||||
1 AGAATTGTTAAAT 12

RESULT 557
US-10-257-017B-176214/c
; Sequence 176214, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 176214
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0010154
US-10-257-017B-176214

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      1403 AAAATTGTTAAAT 1414
Db      | |||||
13 AGAATTGTTAAAT 2

RESULT 558
US-10-257-017B-180953
; Sequence 180953, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 180953
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0044779
US-10-257-017B-180953

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      1403 AAAATTGTTAAAT 1414
Db      | |||||
13 AGAATTGTTAAAT 2

RESULT 559
US-10-257-017B-180954/c
; Sequence 180954, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
```

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; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 180954
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0044779
US-10-257-017B-180954

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      1403 AAAATTGTTAAAT 1414
Db      | |||||
13 AAGATTGTTAAAT 2

RESULT 560
US-10-257-017B-182703
; Sequence 182703, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 182703
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0045152
US-10-257-017B-182703

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      1407 TTGTTAATGATG 1418
Db      | |||||
1 TTGTTAATGAAG 12

RESULT 561
US-10-257-017B-182704/c
; Sequence 182704, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
```

; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 182704
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0045152
US-10-257-017B-182704

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1407 TTGTTAATGATG 1418
|||||
Db 13 TTGTTAATGAAG 2

RESULT 562
US-10-257-017B-182831
; Sequence 182831, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 182831
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0045175
US-10-257-017B-182831

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1406 ATTGTTAATGAT 1417
|||||
Db 1 ATTGTTAATGTT 12

RESULT 563
US-10-257-017B-182832/c
; Sequence 182832, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 182832
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0045175
US-10-257-017B-182832

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1406 ATTGTTAATGAT 1417
|||||
Db 13 ATTGTTAATGTT 2

RESULT 564
US-10-257-017B-188263
; Sequence 188263, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 188263
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0046354
US-10-257-017B-188263

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1352 AAGAAAAATATT 1363
|||||
Db 1 AATAAAAAATATT 12

RESULT 565
US-10-257-017B-188264/c
; Sequence 188264, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 188264
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0046354
US-10-257-017B-188264

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1352 AAGAAAAATATT 1363
|||||
Db 13 AATAAAAAATATT 2


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RESULT 566
US-10-257-017B-188597/c
; Sequence 188597, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 188597
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0046437
US-10-257-017B-188597

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1352 AAGAAAAATATT 1363
Db 13 AACAAAAATATT 2

RESULT 567
US-10-257-017B-188598
; Sequence 188598, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 188598
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0046437
US-10-257-017B-188598

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1352 AAGAAAAATATT 1363
Db 13 AACAAAAATATT 2

RESULT 568
US-10-257-017B-189801/c
; Sequence 189801, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 189801
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0046704
US-10-257-017B-189801

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1356 AAAATATTCCAC 1367
Db 13 ACAATATTCCAC 2

RESULT 569
US-10-257-017B-189802
; Sequence 189802, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 189802
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0046704
US-10-257-017B-189802

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1356 AAAATATTCCAC 1367
Db 13 ACAATATTCCAC 12

RESULT 570
US-10-257-017B-190889
; Sequence 190889, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 190889
; LENGTH: 13
; TYPE: DNA
```

; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0046952
US-10-257-017B-190889

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1407 TTGTTAATGATG 1418
|||||
Db 1 TTGTTGATGATG 12

RESULT 571

US-10-257-017B-190890/c
; Sequence 190890, Application US/10257017B

; GENERAL INFORMATION:

; APPLICANT: Alexander Olek

; APPLICANT: Christian Piepenbrock

; APPLICANT: Kurt Berlin

; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine

; TITLE OF INVENTION: methylations

; FILE REFERENCE: E01/1193/WO

; CURRENT APPLICATION NUMBER: US/10/257,017B

; CURRENT FILING DATE: 2002-10-07

; PRIOR APPLICATION NUMBER: DE 10019173.8

; PRIOR FILING DATE: 2000-04-07

; NUMBER OF SEQ ID NOS: 382046

; SEQ ID NO 190890

; LENGTH: 13

; TYPE: DNA

; ORGANISM: Artificial Sequence

; FEATURE:

; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0046952
US-10-257-017B-190890

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1407 TTGTTAATGATG 1418
|||||
Db 13 TTGTTGATGATG 2

RESULT 572

US-10-257-017B-191283

; Sequence 191283, Application US/10257017B

; GENERAL INFORMATION:

; APPLICANT: Alexander Olek

; APPLICANT: Christian Piepenbrock

; APPLICANT: Kurt Berlin

; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine

; TITLE OF INVENTION: methylations

; FILE REFERENCE: E01/1193/WO

; CURRENT APPLICATION NUMBER: US/10/257,017B

; CURRENT FILING DATE: 2002-10-07

; PRIOR APPLICATION NUMBER: DE 10019173.8

; PRIOR FILING DATE: 2000-04-07

; NUMBER OF SEQ ID NOS: 382046

; SEQ ID NO 191283

; LENGTH: 13

; TYPE: DNA

; ORGANISM: Artificial Sequence

; FEATURE:

; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0047056
US-10-257-017B-191283

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1447 GGAAGATGGGTT 1458
|||||
Db 2 GGAAGATGGGTT 13

RESULT 573

US-10-257-017B-191284/c

; Sequence 191284, Application US/10257017B

; GENERAL INFORMATION:

; APPLICANT: Alexander Olek

; APPLICANT: Christian Piepenbrock

; APPLICANT: Kurt Berlin

; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine

; TITLE OF INVENTION: methylations

; FILE REFERENCE: E01/1193/WO

; CURRENT APPLICATION NUMBER: US/10/257,017B

; CURRENT FILING DATE: 2002-10-07

; PRIOR APPLICATION NUMBER: DE 10019173.8

; PRIOR FILING DATE: 2000-04-07

; NUMBER OF SEQ ID NOS: 382046

; SEQ ID NO 191284

; LENGTH: 13

; TYPE: DNA

; ORGANISM: Artificial Sequence

; FEATURE:

; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0047056
US-10-257-017B-191284

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1447 GGAAGATGGGTT 1458
|||||
Db 12 GGAAGATGGGTT 1

RESULT 574

US-10-257-017B-191357/c

; Sequence 191357, Application US/10257017B

; GENERAL INFORMATION:

; APPLICANT: Alexander Olek

; APPLICANT: Christian Piepenbrock

; APPLICANT: Kurt Berlin

; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine

; TITLE OF INVENTION: methylations

; FILE REFERENCE: E01/1193/WO

; CURRENT APPLICATION NUMBER: US/10/257,017B

; CURRENT FILING DATE: 2002-10-07

; PRIOR APPLICATION NUMBER: DE 10019173.8

; PRIOR FILING DATE: 2000-04-07

; NUMBER OF SEQ ID NOS: 382046

; SEQ ID NO 191357

; LENGTH: 13

; TYPE: DNA

; ORGANISM: Artificial Sequence

; FEATURE:

; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0047086
US-10-257-017B-191357

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1359 ATATTCCACGCA 1370
|||||
Db 13 ATATTCCACCCA 2

RESULT 575

US-10-257-017B-191358

; Sequence 191358, Application US/10257017B

; GENERAL INFORMATION:

```
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 191358
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0047086
US-10-257-017B-191358

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1359 ATATCCACGCA 1370
Db 1 ATATCCACCCA 12

RESULT 576
US-10-257-017B-191755
; Sequence 191755, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 191755
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0047176
US-10-257-017B-191755

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1407 TTGTTAATGATG 1418
Db 1 TTATTAATGATG 12

RESULT 577
US-10-257-017B-191756/c
; Sequence 191756, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
```

```
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 191756
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0047176
US-10-257-017B-191756

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1407 TTGTTAATGATG 1418
Db 13 TTATTAATGATG 2

RESULT 578
US-10-257-017B-191895
; Sequence 191895, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 191895
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0047217
US-10-257-017B-191895

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1446 TGAAGATGGGT 1457
Db 2 TGAAGATGGTT 13

RESULT 579
US-10-257-017B-191896/c
; Sequence 191896, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 191896
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0047217
US-10-257-017B-191896
```

```
Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1446 TGAAGATGGGT 1457
   |||||
Db 12 TGAAGATGGTT 1

RESULT 580
US-10-257-017B-193277/c
; Sequence 193277, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 193277
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0047551
US-10-257-017B-193277

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1353 AGAAAAATATTC 1364
   |||||
Db 12 AAAAAAATATTC 1

RESULT 581
US-10-257-017B-193278
; Sequence 193278, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 193278
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0047551
US-10-257-017B-193278

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1353 AGAAAAATATTC 1364
   |||||
Db 2 AAAAAAATATTC 13
```

```
RESULT 582
US-10-257-017B-196025/c
; Sequence 196025, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 196025
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0048226
US-10-257-017B-196025

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1352 AAGAAAAATATT 1363
   |||||
Db 12 AATAAAATATT 1

RESULT 583
US-10-257-017B-196026
; Sequence 196026, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 196026
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0048226
US-10-257-017B-196026

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1352 AAGAAAAATATT 1363
   |||||
Db 2 AATAAAATATT 13

RESULT 584
US-10-257-017B-197451
; Sequence 197451, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
```



```
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 197451
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0048601
US-10-257-017B-197451
```

```
Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
```

```
QY 1408 TGTTAATGATGA 1419
Db 1 TTTTAAATGATGA 12
```

RESULT 585

```
US-10-257-017B-197452/c
; Sequence 197452, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 197452
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0048601
US-10-257-017B-197452
```

```
Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
```

```
QY 1408 TGTTAATGATGA 1419
Db 13 TTTTAAATGATGA 2
```

RESULT 586

```
US-10-257-017B-197645/c
; Sequence 197645, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 197645
; LENGTH: 13
```

```
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0005726
US-10-257-017B-197645
```

```
Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
```

```
QY 1402 TAAAATTGTTAA 1413
Db 13 TAAAATTATTAA 2
```

RESULT 587

```
US-10-257-017B-197646
; Sequence 197646, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 197646
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0005726
US-10-257-017B-197646
```

```
Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
```

```
QY 1402 TAAAATTGTTAA 1413
Db 1 TAAAATTATTAA 12
```

RESULT 588

```
US-10-257-017B-198423/c
; Sequence 198423, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 198423
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0008139
US-10-257-017B-198423
```

```
Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
```

```
QY 1355 AAAAATATTCCA 1366
Db 12 AAAAATATTACA 1

RESULT 589
US-10-257-017B-198424
; Sequence 198424, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 198424
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0008139
US-10-257-017B-198424

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1355 AAAAATATTCCA 1366
Db 2 AAAAATATTACA 13

RESULT 590
US-10-257-017B-200895/c
; Sequence 200895, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 200895
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0049427
US-10-257-017B-200895

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1365 CACGCATCACGA 1376
Db 13 CACGCATCACTA 2

RESULT 591
US-10-257-017B-200896
; Sequence 200896, Application US/10257017B
```

```
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 200896
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0049427
US-10-257-017B-200896

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1365 CACGCATCACGA 1376
Db 1 CACGCATCACTA 12

RESULT 592
US-10-257-017B-203099
; Sequence 203099, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 203099
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0049882
US-10-257-017B-203099

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1403 AAAATTGTTAAT 1414
Db 1 AAAATTGTTATT 12

RESULT 593
US-10-257-017B-203100/c
; Sequence 203100, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
```

; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 203100
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0049882
US-10-257-017B-203100

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1403 AAAATTGTTAAT 1414
| | | | | | | | | |
Db 13 AAAATTGTTATT 2

RESULT 594
US-10-257-017B-205659
; Sequence 205659, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 205659
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0050412
US-10-257-017B-205659

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1392 TCAAAGGAGGTA 1403
| | | | | | | | | |
Db 1 TAAAGGAGGTA 12

RESULT 595
US-10-257-017B-205660/c
; Sequence 205660, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 205660
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0050412

US-10-257-017B-205660

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1392 TCAAAGGAGGTA 1403
| | | | | | | | | |
Db 13 TAAAGGAGGTA 2

RESULT 596
US-10-257-017B-206951
; Sequence 206951, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 206951
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0050640
US-10-257-017B-206951

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1403 AAAATTGTTAAT 1414
| | | | | | | | | |
Db 2 AAAATTGATAAT 13

RESULT 597
US-10-257-017B-206952/c
; Sequence 206952, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 206952
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0050640
US-10-257-017B-206952

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1403 AAAATTGTTAAT 1414
| | | | | | | | | |
Db 12 AAAATTGATAAT 1

```

; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 210185
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0051322
US-10-257-017B-210185

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      1398 GAGGTAAATTTG 1409
Db      1398 GAGGTAAATTTG 1409
          ||||| |||||
          2 GAGGTATAATTG 13

RESULT 601
US-10-257-017B-210186/c
; Sequence 210186, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 210186
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0051322
US-10-257-017B-210186

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      1398 GAGGTAAATTTG 1409
Db      1398 GAGGTATAATTG 1
          ||||| |||||
          12 GAGGTATAATTG 1

RESULT 602
US-10-257-017B-213077
; Sequence 213077, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 213077

; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 213077

; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 207426
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0004531
US-10-257-017B-207426

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      1348 GGGGAAGTAAAA 1359
Db      1348 GGGGAAGTAAAA 13
          ||||| |||||
          2 GGGGAAGTAAAA 13

RESULT 599
US-10-257-017B-207426/c
; Sequence 207426, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 207426
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0004531
US-10-257-017B-207426

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      1348 GGGGAAGTAAAA 1359
Db      1348 GGGGAAGTAAAA 1
          ||||| |||||
          12 GGGGAAGTAAAA 1

RESULT 600
US-10-257-017B-210185
; Sequence 210185, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 207425
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0004531
US-10-257-017B-207425
```


; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0051905
US-10-257-017B-213077

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1395 AAGGAGGTAAAA 1406
|||||
Db 1 AAGGAGGTAAA 12

RESULT 603

US-10-257-017B-213078/c
; Sequence 213078, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 213078
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0051905
US-10-257-017B-213078

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1395 AAGGAGGTAAAA 1406
|||||
Db 13 AAGGAGGTAAA 2

RESULT 604

US-10-257-017B-214399
; Sequence 214399, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 214399
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0052153
US-10-257-017B-214399

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;

Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1352 AAGAAAAATATT 1363
|||||
Db 1 AAGAATAATATT 12

RESULT 605

US-10-257-017B-214400/c
; Sequence 214400, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 214400
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0052153
US-10-257-017B-214400

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1352 AAGAAAAATATT 1363
|||||
Db 13 AAGAATAATATT 2

RESULT 606

US-10-257-017B-216849
; Sequence 216849, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 216849
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0052703
US-10-257-017B-216849

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1407 TTGTTAATGATG 1418
|||||
Db 2 TTATTAATGATG 13

RESULT 607

US-10-257-017B-216850/c

```
; Sequence 216850, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 216850
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0052703
US-10-257-017B-216850
```

```
Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
```

```
QY 1407 TTGTTAATGATG 1418
      ||| |||||
Db 12 TTATTAATGATG 1
```

RESULT 608

```
US-10-257-017B-217343
; Sequence 217343, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 217343
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0052841
US-10-257-017B-217343
```

```
Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
```

```
QY 1348 GGGGAAGAAAAA 1359
      ||| |||||
Db 2 GGGGGAGAAAAA 13
```

RESULT 609

```
US-10-257-017B-217344/c
; Sequence 217344, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
```

```
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 217344
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0052841
US-10-257-017B-217344
```

```
Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
```

```
QY 1348 GGGGAAGAAAAA 1359
      ||| |||||
Db 12 GGGGGAGAAAAA 1
```

RESULT 610

```
US-10-257-017B-217383
; Sequence 217383, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 217383
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0052861
US-10-257-017B-217383
```

```
Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
```

```
QY 1402 TAAATTTGTTAA 1413
      ||| |||||
Db 2 TAAATTTGTTTA 13
```

RESULT 611

```
US-10-257-017B-217384/c
; Sequence 217384, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 217384
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
```

; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0052861
US-10-257-017B-217384

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1402 TAAATTTGTTAA 1413
|||||
Db 12 TAAATTTGTTTA 1

RESULT 612

US-10-257-017B-220057
; Sequence 220057, Application US/10257017B

; GENERAL INFORMATION:

; APPLICANT: Alexander Olek

; APPLICANT: Christian Piepenbrock

; APPLICANT: Kurt Berlin

; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine

; FILE OF INVENTION: methylations

; FILE REFERENCE: E01/1193/WO

; CURRENT APPLICATION NUMBER: US/10/257,017B

; CURRENT FILING DATE: 2002-10-07

; PRIOR APPLICATION NUMBER: DE 10019173.8

; PRIOR FILING DATE: 2000-04-07

; NUMBER OF SEQ ID NOS: 382046

; SEQ ID NO 220057

; LENGTH: 13

; TYPE: DNA

; ORGANISM: Artificial Sequence

; FEATURE:

; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0053544

US-10-257-017B-220057

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1453 TGGTTGATCAA 1464
|||||
Db 1 TGGTTGATGAA 12

RESULT 613

US-10-257-017B-220058/c

; Sequence 220058, Application US/10257017B

; GENERAL INFORMATION:

; APPLICANT: Alexander Olek

; APPLICANT: Christian Piepenbrock

; APPLICANT: Kurt Berlin

; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine

; FILE OF INVENTION: methylations

; FILE REFERENCE: E01/1193/WO

; CURRENT APPLICATION NUMBER: US/10/257,017B

; CURRENT FILING DATE: 2002-10-07

; PRIOR APPLICATION NUMBER: DE 10019173.8

; PRIOR FILING DATE: 2000-04-07

; NUMBER OF SEQ ID NOS: 382046

; SEQ ID NO 220058

; LENGTH: 13

; TYPE: DNA

; ORGANISM: Artificial Sequence

; FEATURE:

; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0053544

US-10-257-017B-220058

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1453 TGGTTGATCAA 1464
|||||

Db 13 TGGTTGATGAA 2

RESULT 614

US-10-257-017B-220169

; Sequence 220169, Application US/10257017B

; GENERAL INFORMATION:

; APPLICANT: Alexander Olek

; APPLICANT: Christian Piepenbrock

; APPLICANT: Kurt Berlin

; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine

; FILE OF INVENTION: methylations

; FILE REFERENCE: E01/1193/WO

; CURRENT APPLICATION NUMBER: US/10/257,017B

; CURRENT FILING DATE: 2002-10-07

; PRIOR APPLICATION NUMBER: DE 10019173.8

; PRIOR FILING DATE: 2000-04-07

; NUMBER OF SEQ ID NOS: 382046

; SEQ ID NO 220169

; LENGTH: 13

; TYPE: DNA

; ORGANISM: Artificial Sequence

; FEATURE:

; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0053577

US-10-257-017B-220169

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1395 AAGGAGGTAAAA 1406
|||||
Db 1 AAGGGGTAAAA 12

RESULT 615

US-10-257-017B-220170/c

; Sequence 220170, Application US/10257017B

; GENERAL INFORMATION:

; APPLICANT: Alexander Olek

; APPLICANT: Christian Piepenbrock

; APPLICANT: Kurt Berlin

; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine

; FILE OF INVENTION: methylations

; FILE REFERENCE: E01/1193/WO

; CURRENT APPLICATION NUMBER: US/10/257,017B

; CURRENT FILING DATE: 2002-10-07

; PRIOR APPLICATION NUMBER: DE 10019173.8

; PRIOR FILING DATE: 2000-04-07

; NUMBER OF SEQ ID NOS: 382046

; SEQ ID NO 220170

; LENGTH: 13

; TYPE: DNA

; ORGANISM: Artificial Sequence

; FEATURE:

; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0053577

US-10-257-017B-220170

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1395 AAGGAGGTAAAA 1406
|||||
Db 13 AAGGGGTAAAA 2

RESULT 616

US-10-257-017B-220461

; Sequence 220461, Application US/10257017B

; GENERAL INFORMATION:

; APPLICANT: Alexander Olek

; APPLICANT: Christian Piepenbrock

Wed Apr 7 08:00:51 2004

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; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 220461
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0053650
US-10-257-017B-220461

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1406 ATTGTTAATGAT 1417
Db 1 ATTTTAAATGAT 12

RESULT 617
US-10-257-017B-220462/c
; Sequence 220462, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 220462
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0053650
US-10-257-017B-220462

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1406 ATTGTTAATGAT 1417
Db 13 ATTTTAAATGAT 2

RESULT 618
US-10-257-017B-222435/c
; Sequence 222435, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 222435
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0054123
US-10-257-017B-222435

```

```

; SEQ ID NO 222435
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0054123
US-10-257-017B-222435

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1434 CAGACATATACA 1445
Db 12 CACACATATACA 1

RESULT 619
US-10-257-017B-222436
; Sequence 222436, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 222436
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0054123
US-10-257-017B-222436

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1434 CAGACATATACA 1445
Db 2 CACACATATACA 13

RESULT 620
US-10-257-017B-222533
; Sequence 222533, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 222533
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0054144
US-10-257-017B-222533

Query Match      8.0%; Score 10.4; DB 1; Length 13;

```


Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1399 AGGTAAATTTGT 1410
Db 2 AGGTAATATTGT 13

RESULT 621
US-10-257-017B-222534/c
; Sequence 222534, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 222534
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0054144
US-10-257-017B-222534

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1399 AGGTAAATTTGT 1410
Db 12 AGGTAATATTGT 1

RESULT 622
US-10-257-017B-223367
; Sequence 223367, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 223367
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0054387
US-10-257-017B-223367

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1408 TGTTAATGATGA 1419
Db 2 TATTAATGATGA 13

RESULT 623

US-10-257-017B-223368/c
; Sequence 223368, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 223368
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0054387
US-10-257-017B-223368

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1408 TGTTAATGATGA 1419
Db 12 TATTAATGATGA 1

RESULT 624
US-10-257-017B-223879/c
; Sequence 223879, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 223879
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0054529
US-10-257-017B-223879

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1352 AAGAAAAATATT 1363
Db 12 AAAAAAATATT 1

RESULT 625
US-10-257-017B-223880
; Sequence 223880, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO

```
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 223880
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0054529
US-10-257-017B-223880
```

```
Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
```

```
QY 1352 AAGAAAAAATATT 1363
    ||| |||||
Db 2 AAAAAAAATATT 13
```

RESULT 626

```
US-10-257-017B-227295
; Sequence 227295, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 227295
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0055447
US-10-257-017B-227295
```

```
Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
```

```
QY 1352 AAGAAAAAATATT 1363
    ||| |||||
Db 1 AAGTAAATATT 12
```

RESULT 627

```
US-10-257-017B-227296/c
; Sequence 227296, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 227296
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
```

```
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0055447
US-10-257-017B-227296
```

```
Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
```

```
QY 1352 AAGAAAAAATATT 1363
    ||| |||||
Db 13 AAGTAAATATT 2
```

RESULT 628

```
US-10-257-017B-228139
; Sequence 228139, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 228139
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0055636
US-10-257-017B-228139
```

```
Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
```

```
QY 1407 TTGTTAATGATG 1418
    ||||| |||||
Db 2 TTGTTAGTGATG 13
```

RESULT 629

```
US-10-257-017B-228140/c
; Sequence 228140, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 228140
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0055636
US-10-257-017B-228140
```

```
Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
```

```
QY 1407 TTGTTAATGATG 1418
```

; PRIOR FILING DATE: 2000-04-07

; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 228567
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0055748
US-10-257-017B-228567

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1396 AGGAGGTAAAT 1407
||| |||||
Db 2 AGTAGGTAAAT 13

RESULT 635
US-10-257-017B-228568/c
; Sequence 228568, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 228568
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0055748
US-10-257-017B-228568

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1396 AGGAGGTAAAT 1407
||| |||||
Db 12 AGTAGGTAAAT 1

RESULT 636
US-10-257-017B-232255
; Sequence 232255, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 232255
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0056652
US-10-257-017B-232255

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1407 TTGTTAATGATG 1418
||| |||||
Db 1 TTGATAATGATG 12

RESULT 637
US-10-257-017B-232256/c
; Sequence 232256, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 232256
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0056652
US-10-257-017B-232256

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1407 TTGTTAATGATG 1418
||| |||||
Db 13 TTGATAATGATG 2

RESULT 638
US-10-257-017B-234847
; Sequence 234847, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 234847
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0057330
US-10-257-017B-234847

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1401 GTAAATTTGTTA 1412
||| |||||
Db 2 GTAAATTTGTTA 13


```
RESULT 639
US-10-257-017B-234848/c
; Sequence 234848, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 234848
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0057330
US-10-257-017B-234848

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1401 GTAAATTTGTTA 1412
Db 12 GTAAATTTGTTA 1

RESULT 640
US-10-257-017B-236639/c
; Sequence 236639, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 236639
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0057760
US-10-257-017B-236639

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1355 AAAAATATTCCA 1366
Db 12 AAAAATATTCCA 1

RESULT 641
US-10-257-017B-236640
; Sequence 236640, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
```

```
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 236640
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0057760
US-10-257-017B-236640

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1355 AAAAATATTCCA 1366
Db 2 AAAAATATTCCA 13

RESULT 642
US-10-257-017B-239413
; Sequence 239413, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 239413
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0058397
US-10-257-017B-239413

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1351 GAAGAAAAATAT 1362
Db 1 GAAGAAAAAGAT 12

RESULT 643
US-10-257-017B-239414/c
; Sequence 239414, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 239414
; LENGTH: 13
; TYPE: DNA
```

; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0058397
US-10-257-017B-239414

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1351 GAAGAAAAAATAT 1362
| | | | | | | | | |
Db 13 GAAGAAAAAAGAT 2

RESULT 644
US-10-257-017B-241817/c
; Sequence 241817, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 241817
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0058966
US-10-257-017B-241817

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1356 AAAATATTCCAC 1367
| | | | | | | | | |
Db 13 AAAATATTCAAC 2

RESULT 645
US-10-257-017B-241818
; Sequence 241818, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 241818
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0058966
US-10-257-017B-241818

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1356 AAAATATTCCAC 1367
| | | | | | | | | |
Db 1 AAAATATTCAAC 12

RESULT 646
US-10-257-017B-242609
; Sequence 242609, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 242609
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0059184
US-10-257-017B-242609

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1349 GGAAGAGAAAAAT 1360
| | | | | | | | | |
Db 1 GAGAAGAGAAAAAT 12

RESULT 647
US-10-257-017B-242610/c
; Sequence 242610, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 242610
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0059184
US-10-257-017B-242610

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1349 GGAAGAGAAAAAT 1360
| | | | | | | | | |
Db 13 GAGAAGAGAAAAAT 2

RESULT 648
US-10-257-017B-245005
; Sequence 245005, Application US/10257017B
; GENERAL INFORMATION:

```
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 245005
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0059825
US-10-257-017B-245005

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1401 GTAAATTGTTA 1412
Db 2 GTAAATTGTTA 13

RESULT 649
US-10-257-017B-245006/c
; Sequence 245006, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 245006
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0059825
US-10-257-017B-245006

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1401 GTAAATTGTTA 1412
Db 2 GTAAATTGTTA 1
```

```
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 245485
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0059938
US-10-257-017B-245485

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1397 GGAGGTAAATTT 1408
Db 2 GGAGGTAAAGATT 13

RESULT 651
US-10-257-017B-245486/c
; Sequence 245486, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 245486
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0059938
US-10-257-017B-245486

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1397 GGAGGTAAATTT 1408
Db 12 GGAGGTAAAGATT 1

RESULT 652
US-10-257-017B-245489
; Sequence 245489, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 245489
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0059938
US-10-257-017B-245489
```

```
Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      1397 GGAGGTAAGATT 1408
      |||||
Db      2 GGAGGTAAGATT 13

RESULT 653
US-10-257-017B-245490/c
; Sequence 245490, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 245490
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0059938
US-10-257-017B-245490

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      1397 GGAGGTAAGATT 1408
      |||||
Db      12 GGAGGTAAGATT 1

RESULT 654
US-10-257-017B-246527/c
; Sequence 246527, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 246527
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0008909
US-10-257-017B-246527
```

```
RESULT 655
US-10-257-017B-246528
; Sequence 246528, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 246528
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0008909
US-10-257-017B-246528

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      1355 AAAAATATTCCA 1366
      |||||
Db      1 AAAAATATTACCA 12

RESULT 656
US-10-257-017B-250615/c
; Sequence 250615, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 250615
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0061196
US-10-257-017B-250615

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      1356 AAAATATTCCAC 1367
      |||||
Db      13 AAAATATTACAC 2

RESULT 657
US-10-257-017B-250616
; Sequence 250616, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
```



```
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 250616
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0061196
US-10-257-017B-250616
```

```
Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
```

```
QY 1356 AAAATATTCCAC 1367
Db 1 AAAATATTACAC 12
```

RESULT 658

```
US-10-257-017B-252635
; Sequence 252635, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 252635
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0061629
US-10-257-017B-252635
```

```
Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
```

```
QY 1400 GGTAATAATTGTT 1411
Db 1 GGTAATAATTGTT 12
```

RESULT 659

```
US-10-257-017B-252636/c
; Sequence 252636, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 252636
; LENGTH: 13
```

```
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0061629
US-10-257-017B-252636
```

```
Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
```

```
QY 1400 GGTAATAATTGTT 1411
Db 13 GGTAATAATTGTT 2
```

RESULT 660

```
US-10-257-017B-253487/c
; Sequence 253487, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 253487
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0007617
US-10-257-017B-253487
```

```
Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
```

```
QY 1365 CACGCATCACGA 1376
Db 12 CACGCATCACTA 1
```

RESULT 661

```
US-10-257-017B-253488
; Sequence 253488, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 253488
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0007617
US-10-257-017B-253488
```

```
Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
```

```
QY 1365 CACGCATCACGA 1376
Db 2 CACGCATCACTA 13

RESULT 662
US-10-257-017B-257657/c
; Sequence 257657, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 257657
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0062680
US-10-257-017B-257657

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1355 AAAAATATTCCA 1366
Db 12 AAAAATATTCTA 1

RESULT 665
US-10-257-017B-258854
; Sequence 258854, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 258854
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0062910
US-10-257-017B-258854

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1355 AAAAATATTCCA 1366
Db 2 AAAAATATTCTA 13

RESULT 666
US-10-257-017B-259005
; Sequence 259005, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 257658
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0062680
US-10-257-017B-257658

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1355 AAAAATATTCCA 1366
Db 2 AATAATATTCCA 13

RESULT 664
US-10-257-017B-258853/c
; Sequence 258853, Application US/10257017B
```

US-10-257-017B-259005
PRIOR APPLICATION NUMBER: DE 10019173.8
PRIOR FILING DATE: 2000-04-07
NUMBER OF SEQ ID NOS: 382046
SEQ ID NO 259005
LENGTH: 13
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0062939
US-10-257-017B-259005

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1347 AGGGGAAGAAAA 1358
|||||
Db 2 AGGGGAAGTAAA 13

RESULT 667

US-10-257-017B-259006/c
Sequence 259006, Application US/10257017B
GENERAL INFORMATION:
APPLICANT: Alexander Olek
APPLICANT: Christian Piepenbrock
APPLICANT: Kurt Berlin
TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
FILE REFERENCE: E01/1193/WO
CURRENT APPLICATION NUMBER: US/10/257,017B
CURRENT FILING DATE: 2002-10-07
PRIOR APPLICATION NUMBER: DE 10019173.8
PRIOR FILING DATE: 2000-04-07
NUMBER OF SEQ ID NOS: 382046
SEQ ID NO 259006
LENGTH: 13
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0062939
US-10-257-017B-259006

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1347 AGGGGAAGAAAA 1358
|||||
Db 12 AGGGGAAGTAAA 1

RESULT 668

US-10-257-017B-259969
Sequence 259969, Application US/10257017B
GENERAL INFORMATION:
APPLICANT: Alexander Olek
APPLICANT: Christian Piepenbrock
APPLICANT: Kurt Berlin
TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
FILE REFERENCE: E01/1193/WO
CURRENT APPLICATION NUMBER: US/10/257,017B
CURRENT FILING DATE: 2002-10-07
PRIOR APPLICATION NUMBER: DE 10019173.8
PRIOR FILING DATE: 2000-04-07
NUMBER OF SEQ ID NOS: 382046
SEQ ID NO 259969
LENGTH: 13
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0063118

US-10-257-017B-259969

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1439 ATATACATGGAA 1450
|||||
Db 1 ATATATATGGAA 12

RESULT 669

US-10-257-017B-259970/c
Sequence 259970, Application US/10257017B
GENERAL INFORMATION:
APPLICANT: Alexander Olek
APPLICANT: Christian Piepenbrock
APPLICANT: Kurt Berlin
TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
FILE REFERENCE: E01/1193/WO
CURRENT APPLICATION NUMBER: US/10/257,017B
CURRENT FILING DATE: 2002-10-07
PRIOR APPLICATION NUMBER: DE 10019173.8
PRIOR FILING DATE: 2000-04-07
NUMBER OF SEQ ID NOS: 382046
SEQ ID NO 259970
LENGTH: 13
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0063118
US-10-257-017B-259970

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1439 ATATACATGGAA 1450
|||||
Db 13 ATATATATGGAA 2

RESULT 670

US-10-257-017B-259973
Sequence 259973, Application US/10257017B
GENERAL INFORMATION:
APPLICANT: Alexander Olek
APPLICANT: Christian Piepenbrock
APPLICANT: Kurt Berlin
TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
FILE REFERENCE: E01/1193/WO
CURRENT APPLICATION NUMBER: US/10/257,017B
CURRENT FILING DATE: 2002-10-07
PRIOR APPLICATION NUMBER: DE 10019173.8
PRIOR FILING DATE: 2000-04-07
NUMBER OF SEQ ID NOS: 382046
SEQ ID NO 259973
LENGTH: 13
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0063118
US-10-257-017B-259973

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1439 ATATACATGGAA 1450
|||||
Db 1 ATATACGTGGAA 12

```

; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 260034
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC00007828
US-10-257-017B-260034

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1404 AAATTGTTAATG 1415
Db 12 AGATTGTTAATG 1

RESULT 674
US-10-257-017B-260273
; Sequence 260273, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 260273
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC00006237
US-10-257-017B-260273

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1396 AGGAGGTAAAT 1407
Db 2 AGGATGTAAAT 13

RESULT 675
US-10-257-017B-260274/c
; Sequence 260274, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 260274

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1404 AAATTGTTAATG 1415
Db 2 AGATTGTTAATG 13

RESULT 673
US-10-257-017B-260034/c
; Sequence 260034, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 260033
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC00007828
US-10-257-017B-260033

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1439 ATATACATGGAA 1450
Db 13 ATATACGTGGAA 2

RESULT 672
US-10-257-017B-260033
; Sequence 260033, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 260033
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC000063118
US-10-257-017B-259974

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1439 ATATACATGGAA 1450
Db 13 ATATACGTGGAA 2

RESULT 672
US-10-257-017B-260033
; Sequence 260033, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 260033
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC000063118
US-10-257-017B-259974

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1404 AAATTGTTAATG 1415
Db 2 AGATTGTTAATG 13

RESULT 673
US-10-257-017B-260034/c
; Sequence 260034, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 260034
```


; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0006237
US-10-257-017B-260274

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1396 AGGAGGTAAAT 1407
||| |||||
Db 12 AGGATGTAAAT 1

RESULT 676
US-10-257-017B-262883/c
; Sequence 262883, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 262883
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0063773
US-10-257-017B-262883

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1355 AAAAATATTCCA 1366
||| |||||
Db 12 AAAAATATTCCA 1

RESULT 677
US-10-257-017B-262884
; Sequence 262884, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 262884
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0063773
US-10-257-017B-262884

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;

Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1355 AAAAATATTCCA 1366
||| |||||
Db 2 AAAAATATTCCA 13

RESULT 678
US-10-257-017B-263359/c
; Sequence 263359, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 263359
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0063865
US-10-257-017B-263359

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1460 ATCAAGCAAATA 1471
||| |||||
Db 13 ATCAAGCAAATA 2

RESULT 679
US-10-257-017B-263360
; Sequence 263360, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 263360
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0063865
US-10-257-017B-263360

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1460 ATCAAGCAAATA 1471
||| |||||
Db 1 ATCAAGCAAATA 12

RESULT 680
US-10-257-017B-264565

```
; Sequence 264565, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 264565
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0064134
US-10-257-017B-264565

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1348 GGGGAAGAAAAA 1359
Db 2 GGGGAAGAAAAA 13

RESULT 681
US-10-257-017B-264566/c
; Sequence 264566, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 264566
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0064134
US-10-257-017B-264566

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1348 GGGGAAGAAAAA 1359
Db 12 GGGGAAGAAAAA 1

RESULT 682
US-10-257-017B-268220/c
; Sequence 268220, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
```

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; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 268220
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0000988
US-10-257-017B-268220

Query Match      7.7%; Score 10; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1352 AAGAAAAATA 1361
Db 11 AAGAAAAATA 2

RESULT 683
US-10-257-017B-268506/c
; Sequence 268506, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 268506
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0001185
US-10-257-017B-268506

Query Match      7.7%; Score 10; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1350 GGAAGAAAAA 1359
Db 11 GGAAGAAAAA 2

RESULT 684
US-10-257-017B-269609/c
; Sequence 269609, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 269609
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
```

; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC00001822
US-10-257-017B-269609

Query Match 7.7%; Score 10; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1399 AGGTAAAT 1408
| | | | | | | | | |
Db 12 AGGTAAAT 3

RESULT 685
US-10-257-017B-270350
; Sequence 270350, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 270350
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC00002098
US-10-257-017B-270350

Query Match 7.7%; Score 10; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1356 AAAATATTC 1365
| | | | | | | | | |
Db 3 AAAATATTC 12

RESULT 686
US-10-257-017B-270638/c
; Sequence 270638, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 270638
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC00002211
US-10-257-017B-270638

Query Match 7.7%; Score 10; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1355 AAAATATTC 1364
| | | | | | | | | |

Db 11 AAAATATTC 2

RESULT 687
US-10-257-017B-272104
; Sequence 272104, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 272104
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC00002711
US-10-257-017B-272104

Query Match 7.7%; Score 10; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1407 TTGTTAATGA 1416
| | | | | | | | | |
Db 2 TTGTTAATGA 11

RESULT 688
US-10-257-017B-272167
; Sequence 272167, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 272167
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC00002726
US-10-257-017B-272167

Query Match 7.7%; Score 10; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1449 AAGATGGGTT 1458
| | | | | | | | | |
Db 2 AAGATGGGTT 11

RESULT 689
US-10-257-017B-272927
; Sequence 272927, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock

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; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 272927
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0002986
US-10-257-017B-272927

Query Match      7.7%; Score 10; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1355 AAAAATATTC 1364
Db 3 AAAAATATTC 12

RESULT 690
US-10-257-017B-272991
; Sequence 272991, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 272991
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0003006
US-10-257-017B-272991

Query Match      7.7%; Score 10; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1357 AAATATTCCA 1366
Db 1 AAATATTCCA 10

RESULT 691
US-10-257-017B-276652/c
; Sequence 276652, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
```

```
; SEQ ID NO 276652
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0004253
US-10-257-017B-276652

Query Match      7.7%; Score 10; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1350 GGAAGAAAAA 1359
Db 11 GGAAGAAAAA 2

RESULT 692
US-10-257-017B-276653/c
; Sequence 276653, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 276653
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0004253
US-10-257-017B-276653

Query Match      7.7%; Score 10; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1350 GGAAGAAAAA 1359
Db 11 GGAAGAAAAA 2
```

```
RESULT 693
US-10-257-017B-277777
; Sequence 277777, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 277777
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0004900
US-10-257-017B-277777

Query Match      7.7%; Score 10; DB 1; Length 12;
```



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Best Local Similarity 100.0%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1356 AAAATATCC 1365
Db 1 AAAATATCC 10

RESULT 694
US-10-257-017B-278342/c
; Sequence 278342, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 278342
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0005913
US-10-257-017B-278342

Query Match 7.7%; Score 10; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1402 TAAATTTGTT 1411
Db 10 TAAATTTGTT 1

RESULT 695
US-10-257-017B-279418/c
; Sequence 279418, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 279418
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0007346
US-10-257-017B-279418

Query Match 7.7%; Score 10; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1400 GGTAATAATTG 1409
Db 10 GGTAATAATTG 1

RESULT 696
```

```
US-10-257-017B-280197
; Sequence 280197, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 280197
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0008335
US-10-257-017B-280197

Query Match 7.7%; Score 10; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1353 AGAAAAATAT 1362
Db 3 AGAAAAATAT 12

RESULT 697
US-10-257-017B-283348
; Sequence 283348, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 283348
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0011270
US-10-257-017B-283348

Query Match 7.7%; Score 10; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1405 AATTGTTAAT 1414
Db 1 AATTGTTAAT 10

RESULT 698
US-10-257-017B-284132
; Sequence 284132, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
```

```
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 284132
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0011676
US-10-257-017B-284132

Query Match          7.7%; Score 10; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1404 AAATTGTTAA 1413
Db 2 AAATTGTTAA 11

RESULT 699
US-10-257-017B-284167
; Sequence 284167, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 284167
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0011695
US-10-257-017B-284167

Query Match          7.7%; Score 10; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1354 GAAAAATATT 1363
Db 1 GAAAAATATT 10

RESULT 700
US-10-257-017B-288515/c
; Sequence 288515, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 288515
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
```

```
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0013548
US-10-257-017B-288515

Query Match          7.7%; Score 10; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1355 AAAAATATTC 1364
Db 10 AAAAATATTC 1

RESULT 701
US-10-257-017B-289698
; Sequence 289698, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 289698
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0014053
US-10-257-017B-289698

Query Match          7.7%; Score 10; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1437 ACATATACAT 1446
Db 2 ACATATACAT 11

RESULT 702
US-10-257-017B-289718/c
; Sequence 289718, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 289718
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0014062
US-10-257-017B-289718

Query Match          7.7%; Score 10; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1355 AAAAATATTC 1364
```

```
Db      11 AAAAATATTC 2
|||||
RESULT 703
US-10-257-017B-291189
; Sequence 291189, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 291189
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0014675
US-10-257-017B-291189

Query Match      7.7%; Score 10; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1357 AAATATTCCA 1366
|||||
Db      3 AAATATTCCA 12

RESULT 704
US-10-257-017B-292137/c
; Sequence 292137, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 292137
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0015097
US-10-257-017B-292137

Query Match      7.7%; Score 10; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1354 GAAAAATATT 1363
|||||
Db      11 GAAAAATATT 2

RESULT 705
US-10-257-017B-294714/c
; Sequence 294714, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
```

```
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 294714
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0016238
US-10-257-017B-294714

Query Match      7.7%; Score 10; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1437 ACATATACAT 1446
|||||
Db      11 ACATATACAT 2

RESULT 706
US-10-257-017B-295516/c
; Sequence 295516, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 295516
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0016622
US-10-257-017B-295516

Query Match      7.7%; Score 10; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1452 ATGGGTTGAT 1461
|||||
Db      10 ATGGGTTGAT 1

RESULT 707
US-10-257-017B-296818/c
; Sequence 296818, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
```

; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 296818
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0017285
US-10-257-017B-296818

Query Match 7.7%; Score 10; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1348 GGGGAAGAAA 1357
|||||
Db 11 GGGGAAGAAA 2

RESULT 708

US-10-257-017B-297809/c

; Sequence 297809, Application US/10257017B

; GENERAL INFORMATION:

; APPLICANT: Alexander Olek

; APPLICANT: Christian Piepenbrock

; APPLICANT: Kurt Berlin

; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine

; FILE REFERENCE: E01/1193/WO

; CURRENT APPLICATION NUMBER: US/10/257,017B

; CURRENT FILING DATE: 2002-10-07

; PRIOR APPLICATION NUMBER: DE 10019173.8

; PRIOR FILING DATE: 2000-04-07

; NUMBER OF SEQ ID NOS: 382046

; SEQ ID NO 297809

; LENGTH: 12

; TYPE: DNA

; ORGANISM: Artificial Sequence

; FEATURE:

; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0017783

US-10-257-017B-297809

Query Match 7.7%; Score 10; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1437 ACATATACAT 1446
|||||
Db 12 ACATATACAT 3

RESULT 709

US-10-257-017B-299302

; Sequence 299302, Application US/10257017B

; GENERAL INFORMATION:

; APPLICANT: Alexander Olek

; APPLICANT: Christian Piepenbrock

; APPLICANT: Kurt Berlin

; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine

; FILE REFERENCE: E01/1193/WO

; CURRENT APPLICATION NUMBER: US/10/257,017B

; CURRENT FILING DATE: 2002-10-07

; PRIOR APPLICATION NUMBER: DE 10019173.8

; PRIOR FILING DATE: 2000-04-07

; NUMBER OF SEQ ID NOS: 382046

; SEQ ID NO 299302

; LENGTH: 12

; TYPE: DNA

; ORGANISM: Artificial Sequence

; FEATURE:

; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0018513

US-10-257-017B-299302

Query Match 7.7%; Score 10; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1406 ATTGTTAATG 1415
|||||
Db 1 ATTGTTAATG 10

RESULT 710

US-10-257-017B-299414

; Sequence 299414, Application US/10257017B

; GENERAL INFORMATION:

; APPLICANT: Alexander Olek

; APPLICANT: Christian Piepenbrock

; APPLICANT: Kurt Berlin

; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine

; FILE REFERENCE: E01/1193/WO

; CURRENT APPLICATION NUMBER: US/10/257,017B

; CURRENT FILING DATE: 2002-10-07

; PRIOR APPLICATION NUMBER: DE 10019173.8

; PRIOR FILING DATE: 2000-04-07

; NUMBER OF SEQ ID NOS: 382046

; SEQ ID NO 299414

; LENGTH: 12

; TYPE: DNA

; ORGANISM: Artificial Sequence

; FEATURE:

; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0018562

US-10-257-017B-299414

Query Match 7.7%; Score 10; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1403 AAAATTGTTA 1412
|||||
Db 2 AAAATTGTTA 11

RESULT 711

US-10-257-017B-301021

; Sequence 301021, Application US/10257017B

; GENERAL INFORMATION:

; APPLICANT: Alexander Olek

; APPLICANT: Christian Piepenbrock

; APPLICANT: Kurt Berlin

; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine

; FILE REFERENCE: E01/1193/WO

; CURRENT APPLICATION NUMBER: US/10/257,017B

; CURRENT FILING DATE: 2002-10-07

; PRIOR APPLICATION NUMBER: DE 10019173.8

; PRIOR FILING DATE: 2000-04-07

; NUMBER OF SEQ ID NOS: 382046

; SEQ ID NO 301021

; LENGTH: 12

; TYPE: DNA

; ORGANISM: Artificial Sequence

; FEATURE:

; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0019311

US-10-257-017B-301021

Query Match 7.7%; Score 10; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1403 AAAATTGTTA 1412
|||||
Db 1 AAAATTGTTA 10


```
RESULT 712
US-10-257-017B-301047
; Sequence 301047, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 301047
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0019325
US-10-257-017B-301047

Query Match          7.7%; Score 10; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1447 GGAAGATGGG 1456
Db 2 GGAAGATGGG 11

RESULT 713
US-10-257-017B-303065
; Sequence 303065, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 303065
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0020296
US-10-257-017B-303065

Query Match          7.7%; Score 10; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1355 AAAAATATTC 1364
Db 2 AAAAATATTC 11

RESULT 714
US-10-257-017B-305776
; Sequence 305776, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
```

```
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 305776
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0021623
US-10-257-017B-305776

Query Match          7.7%; Score 10; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1445 ATGGAAGATG 1454
Db 2 ATGGAAGATG 11

RESULT 715
US-10-257-017B-308711/c
; Sequence 308711, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 308711
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0023176
US-10-257-017B-308711

Query Match          7.7%; Score 10; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1394 AAAGGAGGTA 1403
Db 11 AAAGGAGGTA 2

RESULT 716
US-10-257-017B-309268
; Sequence 309268, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 309268
; LENGTH: 12
; TYPE: DNA
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; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0023447
US-10-257-017B-309268

Query Match 7.7%; Score 10; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1350 GGAAGAAAAA 1359
|||
Db 3 GGAAGAAAAA 12

RESULT 717
US-10-257-017B-312533
; Sequence 312533, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 312533
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0025127
US-10-257-017B-312533

Query Match 7.7%; Score 10; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1357 AAATATTCCA 1366
|||
Db 1 AAATATTCCA 10

RESULT 718
US-10-257-017B-312688/c
; Sequence 312688, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 312688
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0025234
US-10-257-017B-312688

Query Match 7.7%; Score 10; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1399 AGGTAAATTT 1408
|||
Db 10 AGGTAAATTT 1

RESULT 719
US-10-257-017B-314317
; Sequence 314317, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 314317
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0026279
US-10-257-017B-314317

Query Match 7.7%; Score 10; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1352 AAGAAAAATA 1361
|||
Db 1 AAGAAAAATA 10

RESULT 720
US-10-257-017B-314959
; Sequence 314959, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 314959
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0026652
US-10-257-017B-314959

Query Match 7.7%; Score 10; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1405 AATTGTTAAT 1414
|||
Db 3 AATTGTTAAT 12

RESULT 721
US-10-257-017B-315150/c
; Sequence 315150, Application US/10257017B
; GENERAL INFORMATION:

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; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 315150
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0026744
US-10-257-017B-315150

Query Match          7.7%; Score 10; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1353 AGAAAAATAT 1362
Db 12 AGAAAAATAT 3

RESULT 722
US-10-257-017B-315662/c
; Sequence 315662, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 315662
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0027026
US-10-257-017B-315662

Query Match          7.7%; Score 10; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1399 AGGTAAAT 1408
Db 12 AGGTAAAT 3

RESULT 723
US-10-257-017B-318767/c
; Sequence 318767, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
```

```
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 318767
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0028863
US-10-257-017B-318767

Query Match          7.7%; Score 10; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1405 AATTGTTAAT 1414
Db 11 AATTGTTAAT 2

RESULT 724
US-10-257-017B-319241/c
; Sequence 319241, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 319241
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0029130
US-10-257-017B-319241

Query Match          7.7%; Score 10; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1402 TAAATTTGTT 1411
Db 12 TAAATTTGTT 3

RESULT 725
US-10-257-017B-320308/c
; Sequence 320308, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 320308
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0029644
US-10-257-017B-320308
```

Query Match 7.7%; Score 10; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1357 AAATATTCCA 1366
| | | | | | | | | |
Db 12 AAATATTCCA 3

RESULT 726
US-10-257-017B-321158
; Sequence 321158, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 321158
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0030082
US-10-257-017B-321158

Query Match 7.7%; Score 10; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1366 ACGCATCAGC 1375
| | | | | | | | | |
Db 1 ACGCATCAGC 10

RESULT 727
US-10-257-017B-322127/c
; Sequence 322127, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 322127
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0030674
US-10-257-017B-322127

Query Match 7.7%; Score 10; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1394 AAAGGAGGTA 1403
| | | | | | | | | |
Db 10 AAAGGAGGTA 1

RESULT 728
US-10-257-017B-324567/c
; Sequence 324567, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 324567
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0032108
US-10-257-017B-324567

Query Match 7.7%; Score 10; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1349 GGGAGAGAAA 1358
| | | | | | | | | |
Db 12 GGGAGAGAAA 3

RESULT 729
US-10-257-017B-331234
; Sequence 331234, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 331234
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0036066
US-10-257-017B-331234

Query Match 7.7%; Score 10; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1355 AAAAATATTC 1364
| | | | | | | | | |
Db 1 AAAAATATTC 10

RESULT 730
US-10-257-017B-332249
; Sequence 332249, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine


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; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 332249
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0036792
US-10-257-017B-332249
```

```
Query Match          7.7%; Score 10; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY 1355 AAAAATATTC 1364
    |||||
Db 2 AAAAATATTC 11
```

RESULT 731

```
US-10-257-017B-333164
; Sequence 333164, Application US/10257017B
; GENERAL INFORMATION:
```

```
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
```

```
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
```

```
; TITLE OF INVENTION: methylations
```

```
; FILE REFERENCE: E01/1193/WO
```

```
; CURRENT APPLICATION NUMBER: US/10/257,017B
```

```
; CURRENT FILING DATE: 2002-10-07
```

```
; PRIOR APPLICATION NUMBER: DE 10019173.8
```

```
; PRIOR FILING DATE: 2000-04-07
```

```
; NUMBER OF SEQ ID NOS: 382046
```

```
; SEQ ID NO 333164
```

```
; LENGTH: 12
```

```
; TYPE: DNA
```

```
; ORGANISM: Artificial Sequence
```

```
; FEATURE:
```

```
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0037394
```

```
US-10-257-017B-333164
```

```
Query Match          7.7%; Score 10; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY 1357 AAATATTCCA 1366
    |||||
Db 1 AAATATTCCA 10
```

RESULT 732

```
US-10-257-017B-333508
; Sequence 333508, Application US/10257017B
; GENERAL INFORMATION:
```

```
; APPLICANT: Alexander Olek
```

```
; APPLICANT: Christian Piepenbrock
```

```
; APPLICANT: Kurt Berlin
```

```
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
```

```
; TITLE OF INVENTION: methylations
```

```
; FILE REFERENCE: E01/1193/WO
```

```
; CURRENT APPLICATION NUMBER: US/10/257,017B
```

```
; CURRENT FILING DATE: 2002-10-07
```

```
; PRIOR APPLICATION NUMBER: DE 10019173.8
```

```
; PRIOR FILING DATE: 2000-04-07
```

```
; NUMBER OF SEQ ID NOS: 382046
```

```
; SEQ ID NO 333508
```

```
; LENGTH: 12
```

```
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0037578
US-10-257-017B-333508
```

```
Query Match          7.7%; Score 10; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY 1354 GAAAAATATT 1363
    |||||
Db 1 GAAAAATATT 10
```

RESULT 733

```
US-10-257-017B-333613
; Sequence 333613, Application US/10257017B
; GENERAL INFORMATION:
```

```
; APPLICANT: Alexander Olek
```

```
; APPLICANT: Christian Piepenbrock
```

```
; APPLICANT: Kurt Berlin
```

```
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
```

```
; TITLE OF INVENTION: methylations
```

```
; FILE REFERENCE: E01/1193/WO
```

```
; CURRENT APPLICATION NUMBER: US/10/257,017B
```

```
; CURRENT FILING DATE: 2002-10-07
```

```
; PRIOR APPLICATION NUMBER: DE 10019173.8
```

```
; PRIOR FILING DATE: 2000-04-07
```

```
; NUMBER OF SEQ ID NOS: 382046
```

```
; SEQ ID NO 333613
```

```
; LENGTH: 12
```

```
; TYPE: DNA
```

```
; ORGANISM: Artificial Sequence
```

```
; FEATURE:
```

```
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0037634
```

```
US-10-257-017B-333613
```

```
Query Match          7.7%; Score 10; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY 1452 ATGGGTTCAT 1461
    |||||
Db 2 ATGGGTTCAT 11
```

RESULT 734

```
US-10-257-017B-334046/c
; Sequence 334046, Application US/10257017B
; GENERAL INFORMATION:
```

```
; APPLICANT: Alexander Olek
```

```
; APPLICANT: Christian Piepenbrock
```

```
; APPLICANT: Kurt Berlin
```

```
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
```

```
; TITLE OF INVENTION: methylations
```

```
; FILE REFERENCE: E01/1193/WO
```

```
; CURRENT APPLICATION NUMBER: US/10/257,017B
```

```
; CURRENT FILING DATE: 2002-10-07
```

```
; PRIOR APPLICATION NUMBER: DE 10019173.8
```

```
; PRIOR FILING DATE: 2000-04-07
```

```
; NUMBER OF SEQ ID NOS: 382046
```

```
; SEQ ID NO 334046
```

```
; LENGTH: 12
```

```
; TYPE: DNA
```

```
; ORGANISM: Artificial Sequence
```

```
; FEATURE:
```

```
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0037913
```

```
US-10-257-017B-334046
```

```
Query Match          7.7%; Score 10; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 342344
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0042503
US-10-257-017B-342344

Query Match          7.7%; Score 10; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1402 TAAATTTGTT 1411
Db 1 TAAATTTGTT 10

RESULT 735
US-10-257-017B-337711
; Sequence 337711, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 337711
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0040026
US-10-257-017B-337711

Query Match          7.7%; Score 10; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1351 GAAGAAAAAT 1360
Db 1 GAAGAAAAAT 10

RESULT 736
US-10-257-017B-340768/c
; Sequence 340768, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 340768
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0041667
US-10-257-017B-340768

Query Match          7.7%; Score 10; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1402 TAAATTTGTT 1411
Db 11 TAAATTTGTT 2

RESULT 737
US-10-257-017B-342344
; Sequence 342344, Application US/10257017B
```

```
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 342344
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0042503
US-10-257-017B-342344

Query Match          7.7%; Score 10; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1402 TAAATTTGTT 1411
Db 1 TAAATTTGTT 10

RESULT 738
US-10-257-017B-343946/c
; Sequence 343946, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 343946
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0043305
US-10-257-017B-343946

Query Match          7.7%; Score 10; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1358 AATATTCAC 1367
Db 12 AATATTCAC 3

RESULT 739
US-10-257-017B-344354
; Sequence 344354, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
```

; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 344354
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0043503
US-10-257-017B-344354

Query Match 7.7%; Score 10; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1365 CACGCATCAC 1374
|||||
Db 1 CACGCATCAC 10

RESULT 740
US-10-257-017B-344578/c
; Sequence 344578, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE OF INVENTION: methylations
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 344578
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0043622
US-10-257-017B-344578

Query Match 7.7%; Score 10; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1408 TGTTAATGAT 1417
|||||
Db 12 TGTTAATGAT 3

RESULT 741
US-10-257-017B-344643/c
; Sequence 344643, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE OF INVENTION: methylations
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 344643
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0004577

US-10-257-017B-344643

Query Match 7.7%; Score 10; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1402 TAAAATTGTT 1411
|||||
Db 12 TAAAATTGTT 3

RESULT 742
US-10-257-017B-344752/c
; Sequence 344752, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 344752
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0005691
US-10-257-017B-344752

Query Match 7.7%; Score 10; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1354 GAAAAATATT 1363
|||||
Db 12 GAAAAATATT 3

RESULT 743
US-10-257-017B-346862/c
; Sequence 346862, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 346862
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0044803
US-10-257-017B-346862

Query Match 7.7%; Score 10; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1406 ATTGTTAATG 1415
|||||
Db 10 ATTGTTAATG 1

```

; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 351979
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0047604
US-10-257-017B-351979

Query Match          7.7%; Score 10; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1402 TAAAAATTGTT 1411
Db      3 TAAAAATTGTT 12

RESULT 747
US-10-257-017B-352091
; Sequence 352091, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 352091
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0005356
US-10-257-017B-352091

Query Match          7.7%; Score 10; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1353 AGAAAAATAT 1362
Db      3 AGAAAAATAT 12

RESULT 748
US-10-257-017B-352518/c
; Sequence 352518, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 352518

; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 352518

; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 349496
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0046173
US-10-257-017B-349496

Query Match          7.7%; Score 10; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1402 TAAAAATTGTT 1411
Db      12 TAAAAATTGTT 3

RESULT 745
US-10-257-017B-351099
; Sequence 351099, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 351099
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0047093
US-10-257-017B-351099

Query Match          7.7%; Score 10; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1348 GGGGAAGAAA 1357
Db      3 GGGGAAGAAA 12

RESULT 746
US-10-257-017B-351979
; Sequence 351979, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
```



```
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0047931
US-10-257-017B-352518

Query Match          7.7%; Score 10; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1355 AAAAATATTC 1364
Db 11 AAAAATATTC 2

RESULT 749
US-10-257-017B-353237/c
; Sequence 353237, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 353237
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0048393
US-10-257-017B-353237

Query Match          7.7%; Score 10; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1449 AAGATGGGTT 1458
Db 11 AAGATGGGTT 2

RESULT 750
US-10-257-017B-354698
; Sequence 354698, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 354698
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0049232
US-10-257-017B-354698

Query Match          7.7%; Score 10; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.2e+03;
```

```
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1397 GGAGGTAAAA 1406
Db 3 GGAGGTAAAA 12

RESULT 751
US-10-257-017B-357004
; Sequence 357004, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 357004
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0050426
US-10-257-017B-357004
```

```
Query Match          7.7%; Score 10; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
Qy 1410 TTAATGATGA 1419
Db 1 TTAATGATGA 10
```

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RESULT 752
US-10-257-017B-357200
; Sequence 357200, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 357200
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0050510
US-10-257-017B-357200
```

```
Query Match          7.7%; Score 10; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
Qy 1354 GAAAAATATT 1363
Db 2 GAAAAATATT 11
```

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RESULT 753
US-10-257-017B-357400/c
```

```
; Sequence 357400, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 357400
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0050593
US-10-257-017B-357400

Query Match          7.7%; Score 10; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1402 TAAATTTGTT 1411
Db 10 TAAATTTGTT 1

RESULT 754
US-10-257-017B-357488
; Sequence 357488, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 357488
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0050647
US-10-257-017B-357488

Query Match          7.7%; Score 10; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1437 ACATATACAT 1446
Db 1 ACATATACAT 10

RESULT 755
US-10-257-017B-359150
; Sequence 359150, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
```

```
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 359150
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0051481
US-10-257-017B-359150

Query Match          7.7%; Score 10; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1450 AGATGGTTG 1459
Db 1 AGATGGTTG 10

RESULT 756
US-10-257-017B-360354
; Sequence 360354, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 360354
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0052044
US-10-257-017B-360354

Query Match          7.7%; Score 10; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1355 AAAAATATTC 1364
Db 2 AAAAATATTC 11

RESULT 757
US-10-257-017B-360593
; Sequence 360593, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 360593
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
```

```
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0052150
US-10-257-017B-360593

Query Match          7.7%; Score 10; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1354 GAAAAATATT 1363
Db 1 GAAAAATATT 10

RESULT 758
US-10-257-017B-361638/c
; Sequence 361638, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 361638
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0052736
US-10-257-017B-361638

Query Match          7.7%; Score 10; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1404 AAATTGTTAA 1413
Db 10 AAATTGTTAA 1

RESULT 759
US-10-257-017B-365441/c
; Sequence 365441, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 365441
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0055126
US-10-257-017B-365441

Query Match          7.7%; Score 10; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1355 AAAAAATATTC 1364
Db 1 AAAAAATATTC 1
```

```
Db 11 AAAAAATATTC 2

RESULT 760
US-10-257-017B-365860
; Sequence 365860, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 365860
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0055397
US-10-257-017B-365860

Query Match          7.7%; Score 10; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1402 TAAAAATTGTT 1411
Db 2 TAAAAATTGTT 11

RESULT 761
US-10-257-017B-365863/c
; Sequence 365863, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 365863
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0055407
US-10-257-017B-365863

Query Match          7.7%; Score 10; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1355 AAAAAATATTC 1364
Db 10 AAAAAATATTC 1

RESULT 762
US-10-257-017B-366148/c
; Sequence 366148, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
```

```
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 366148
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0055561
US-10-257-017B-366148

Query Match          7.7%; Score 10; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1402 TAAATTCGTT 1411
Db 11 TAAATTCGTT 2

RESULT 763
US-10-257-017B-366149/c
; Sequence 366149, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 366149
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0055561
US-10-257-017B-366149

Query Match          7.7%; Score 10; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1402 TAAATTCGTT 1411
Db 11 TAAATTCGTT 2

RESULT 764
US-10-257-017B-366389/c
; Sequence 366389, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
```

```
; SEQ ID NO 366389
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0055712
US-10-257-017B-366389

Query Match          7.7%; Score 10; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1404 AAATTGTAA 1413
Db 11 AAATTGTAA 2

RESULT 765
US-10-257-017B-366837/c
; Sequence 366837, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 366837
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0056010
US-10-257-017B-366837

Query Match          7.7%; Score 10; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1355 AAAAATATTC 1364
Db 11 AAAAATATTC 2

RESULT 766
US-10-257-017B-368959
; Sequence 368959, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 368959
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0057352
US-10-257-017B-368959

Query Match          7.7%; Score 10; DB 1; Length 12;
```


Best Local Similarity 100.0%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1355 AAAAATATTC 1364
|||||
Db 1 AAAAATATTC 10

RESULT 767
US-10-257-017B-370557
; Sequence 370557, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 370557
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0006740
US-10-257-017B-370557

Query Match 7.7%; Score 10; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1445 ATGGAAGATG 1454
|||||
Db 1 ATGGAAGATG 10

RESULT 768
US-10-257-017B-370864/c
; Sequence 370864, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 370864
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0058439
US-10-257-017B-370864

Query Match 7.7%; Score 10; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1354 GAAAAATATT 1363
|||||
Db 12 GAAAAATATT 3

RESULT 769

US-10-257-017B-373960/c
; Sequence 373960, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 373960
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0060423
US-10-257-017B-373960

Query Match 7.7%; Score 10; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1352 AAGAAAAATA 1361
|||||
Db 12 AAGAAAAATA 3

RESULT 770
US-10-257-017B-375300
; Sequence 375300, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 375300
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0061188
US-10-257-017B-375300

Query Match 7.7%; Score 10; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1405 AATTGTTAAT 1414
|||||
Db 2 AATTGTTAAT 11

RESULT 771
US-10-257-017B-375753
; Sequence 375753, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO

```
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 375753
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0008682
US-10-257-017B-375753
```

```
Query Match          7.7%; Score 10; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY 1351 GAAGAAAAAT 1360
      |||||
Db 3 GAAGAAAAAT 12
```

RESULT 772

```
US-10-257-017B-375918
; Sequence 375918, Application US/10257017B
```

```
; GENERAL INFORMATION:
```

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; APPLICANT: Alexander Olek
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; APPLICANT: Christian Piepenbrock
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; APPLICANT: Kurt Berlin
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```
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
```

```
; FILE REFERENCE: E01/1193/WO
```

```
; CURRENT APPLICATION NUMBER: US/10/257,017B
```

```
; PRIOR FILING DATE: 2002-10-07
```

```
; PRIOR APPLICATION NUMBER: DE 10019173.8
```

```
; PRIOR FILING DATE: 2000-04-07
```

```
; NUMBER OF SEQ ID NOS: 382046
```

```
; SEQ ID NO 375918
```

```
; LENGTH: 12
```

```
; TYPE: DNA
```

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; ORGANISM: Artificial Sequence
```

```
; FEATURE:
```

```
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0061526
```

```
US-10-257-017B-375918
```

```
Query Match          7.7%; Score 10; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY 1355 AAAAATATTC 1364
      |||||
Db 1 AAAAATATTC 10
```

RESULT 773

```
US-10-257-017B-377296/c
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```
; Sequence 377296, Application US/10257017B
```

```
; GENERAL INFORMATION:
```

```
; APPLICANT: Alexander Olek
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; APPLICANT: Christian Piepenbrock
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```
; APPLICANT: Kurt Berlin
```

```
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
```

```
; FILE REFERENCE: E01/1193/WO
```

```
; CURRENT APPLICATION NUMBER: US/10/257,017B
```

```
; CURRENT FILING DATE: 2002-10-07
```

```
; PRIOR APPLICATION NUMBER: DE 10019173.8
```

```
; PRIOR FILING DATE: 2000-04-07
```

```
; NUMBER OF SEQ ID NOS: 382046
```

```
; SEQ ID NO 377296
```

```
; LENGTH: 12
```

```
; TYPE: DNA
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```
; ORGANISM: Artificial Sequence
```

```
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0062251
US-10-257-017B-377296
```

```
Query Match          7.7%; Score 10; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY 1405 AATTGTTAAT 1414
      |||||
Db 12 AATTGTTAAT 3
```

RESULT 774

```
US-10-257-017B-378745
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```
; Sequence 378745, Application US/10257017B
```

```
; GENERAL INFORMATION:
```

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; APPLICANT: Alexander Olek
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; APPLICANT: Christian Piepenbrock
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```
; APPLICANT: Kurt Berlin
```

```
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
```

```
; FILE REFERENCE: E01/1193/WO
```

```
; CURRENT APPLICATION NUMBER: US/10/257,017B
```

```
; CURRENT FILING DATE: 2002-10-07
```

```
; PRIOR APPLICATION NUMBER: DE 10019173.8
```

```
; PRIOR FILING DATE: 2000-04-07
```

```
; NUMBER OF SEQ ID NOS: 382046
```

```
; SEQ ID NO 378745
```

```
; LENGTH: 12
```

```
; TYPE: DNA
```

```
; ORGANISM: Artificial Sequence
```

```
; FEATURE:
```

```
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0008610
```

```
US-10-257-017B-378745
```

```
Query Match          7.7%; Score 10; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY 1352 AAGAAAAATA 1361
      |||||
Db 1 AAGAAAAATA 10
```

RESULT 775

```
US-10-257-017B-379728/c
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```
; Sequence 379728, Application US/10257017B
```

```
; GENERAL INFORMATION:
```

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; APPLICANT: Alexander Olek
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; APPLICANT: Christian Piepenbrock
```

```
; APPLICANT: Kurt Berlin
```

```
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
```

```
; FILE REFERENCE: E01/1193/WO
```

```
; CURRENT APPLICATION NUMBER: US/10/257,017B
```

```
; CURRENT FILING DATE: 2002-10-07
```

```
; PRIOR APPLICATION NUMBER: DE 10019173.8
```

```
; PRIOR FILING DATE: 2000-04-07
```

```
; NUMBER OF SEQ ID NOS: 382046
```

```
; SEQ ID NO 379728
```

```
; LENGTH: 12
```

```
; TYPE: DNA
```

```
; ORGANISM: Artificial Sequence
```

```
; FEATURE:
```

```
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0063441
```

```
US-10-257-017B-379728
```

```
Query Match          7.7%; Score 10; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY 1353 AGAAAAATAT 1362
```

```
Db      |||||||
        12 AGAAAAATAT 3

RESULT 776
US-10-257-017B-379901
; Sequence 379901, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 379901
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0000622
US-10-257-017B-379901

Query Match      7.7%; Score 10; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1347 AGGGGAAGAA 1356
        |||||||
Db      1 AGGGGAAGAA 10

RESULT 777
US-10-257-017B-2871
; Sequence 2871, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 2871
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0001128
US-10-257-017B-2871

Query Match      7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 83.3%; Pred. No. 1.1e+03;
Matches 10; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Qy      1397 GGAGGTAAATT 1408
        |||||||
Db      2 GGAGGAAATY 13

RESULT 778
US-10-257-017B-2872/c
; Sequence 2872, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
```

```
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 2872
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0001128
US-10-257-017B-2872

Query Match      7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 83.3%; Pred. No. 1.1e+03;
Matches 10; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Qy      1397 GGAGGTAAATT 1408
        |||||||
Db      2 GGAGGAAATY 13

RESULT 780
US-10-257-017B-2874/c
; Sequence 2874, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
```

; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 2874
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0001128
US-10-257-017B-2874

Query Match 7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 83.3%; Pred. No. 1.1e+03;
Matches 10; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1397 GGAGGTAAATTT 1408
:|||||
Db 12 GGAGGAAAAATY 1

RESULT 781

US-10-257-017B-2983/c
; Sequence 2983, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 2983
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0001161
US-10-257-017B-2983

Query Match 7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 83.3%; Pred. No. 1.1e+03;
Matches 10; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1356 AAAATATTCAC 1367
:|||||
Db 13 RAAATATTACAC 2

RESULT 782

US-10-257-017B-2984
; Sequence 2984, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 2984
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0001161
US-10-257-017B-2984

Query Match 7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 83.3%; Pred. No. 1.1e+03;
Matches 10; Conservative 1; Mismatches 1; Indels 0; Gaps 0;
QY 1356 AAAATATTCAC 1367
:|||||
Db 1 RAAATATTACAC 12

RESULT 783

US-10-257-017B-5727
; Sequence 5727, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 5727
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0001868
US-10-257-017B-5727

Query Match 7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1354 GAAAAATATT 1363
:|||||
Db 2 GAAAAATATT 11

RESULT 784

US-10-257-017B-5728/c
; Sequence 5728, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 5728
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0001868
US-10-257-017B-5728

Query Match 7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1354 GAAAAATATT 1363
:|||||
Db 12 GAAAAATATT 3


```
RESULT 785
US-10-257-017B-15941/c
; Sequence 15941, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 15941
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0003511
US-10-257-017B-15941

Query Match          7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1357 AAATATTCCA 1366
Db 10 AAATATTCCA 1

RESULT 786
US-10-257-017B-15942
; Sequence 15942, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 15942
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0003511
US-10-257-017B-15942

Query Match          7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1357 AAATATTCCA 1366
Db 4 AAATATTCCA 13

RESULT 787
US-10-257-017B-15955
; Sequence 15955, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 15955
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0003512
US-10-257-017B-15955

Query Match          7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 83.3%; Pred. No. 1.1e+03;
Matches 10; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1400 GGTAATAATTGTT 1411
Db 12 GGTAATAAGTGTY 1

RESULT 788
US-10-257-017B-15956/c
; Sequence 15956, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 15956
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0003512
US-10-257-017B-15956

Query Match          7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 83.3%; Pred. No. 1.1e+03;
Matches 10; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1400 GGTAATAATTGTT 1411
Db 12 GGTAATAAGTGTY 1

RESULT 789
US-10-257-017B-15959
; Sequence 15959, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 15959
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0003511
US-10-257-017B-15942
```

```
FILE REFERENCE: E01/1193/WO
CURRENT APPLICATION NUMBER: US/10/257,017B
CURRENT FILING DATE: 2002-10-07
PRIOR APPLICATION NUMBER: DE 10019173.8
PRIOR FILING DATE: 2000-04-07
NUMBER OF SEQ ID NOS: 382046
SEQ ID NO 15955
LENGTH: 13
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0003512
US-10-257-017B-15955

Query Match          7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 83.3%; Pred. No. 1.1e+03;
Matches 10; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1400 GGTAATAATTGTT 1411
Db 2 GGTAATAAGTGTY 13

RESULT 788
US-10-257-017B-15956/c
; Sequence 15956, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 15956
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0003512
US-10-257-017B-15956

Query Match          7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 83.3%; Pred. No. 1.1e+03;
Matches 10; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1400 GGTAATAATTGTT 1411
Db 12 GGTAATAAGTGTY 1

RESULT 789
US-10-257-017B-15959
; Sequence 15959, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 15959
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0003511
US-10-257-017B-15942
```

; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0003512
US-10-257-017B-15959

Query Match 7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 83.3%; Pred. No. 1.1e+03;
Matches 10; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1400 GGTAATAATTGTT 1411
|||||
Db 2 GGTAATAAGTGY 13

RESULT 790
US-10-257-017B-15960/c
; Sequence 15960, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 15960
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0003512
US-10-257-017B-15960

Query Match 7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 83.3%; Pred. No. 1.1e+03;
Matches 10; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1400 GGTAATAATTGTT 1411
|||||
Db 12 GGTAATAAGTGY 1

RESULT 791
US-10-257-017B-16321
; Sequence 16321, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 16321
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0003567
US-10-257-017B-16321

Query Match 7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1402 TAAATTTGTT 1411
|||||
Db 1 TAAATTTGTT 10

RESULT 792
US-10-257-017B-16322/c
; Sequence 16322, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 16322
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0003567
US-10-257-017B-16322

Query Match 7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1402 TAAATTTGTT 1411
|||||
Db 13 TAAATTTGTT 4

RESULT 793
US-10-257-017B-20311
; Sequence 20311, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 20311
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0004157
US-10-257-017B-20311

Query Match 7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1407 TTGTTAATGA 1416
|||||
Db 1 TTGTTAATGA 10

RESULT 794
US-10-257-017B-20312/c
; Sequence 20312, Application US/10257017B
; GENERAL INFORMATION:

```
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 20312
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC00004157
US-10-257-017B-20312

Query Match          7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1407 TTGTTAATGA 1416
Db 13 TTGTTAATGA 4

RESULT 795
US-10-257-017B-22211/c
; Sequence 22211, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 22211
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC00004405
US-10-257-017B-22211

Query Match          7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1437 ACATATACAT 1446
Db 13 ACATATACAT 4

RESULT 796
US-10-257-017B-22212
; Sequence 22212, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
```

```
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 22212
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC00004405
US-10-257-017B-22212

Query Match          7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1437 ACATATACAT 1446
Db 1 ACATATACAT 10

RESULT 797
US-10-257-017B-22561/c
; Sequence 22561, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 22561
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC00004456
US-10-257-017B-22561

Query Match          7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 83.3%; Pred. No. 1.1e+03;
Matches 10; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Qy 1351 GAAGAAAAAATAT 1362
Db 13 RAATAAAAAATAT 2

RESULT 798
US-10-257-017B-22562
; Sequence 22562, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 22562
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC00004456
US-10-257-017B-22562
```

```
Query Match          7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 83.3%; Pred. No. 1.1e+03;
Matches 10; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1351 GAAGAAATAT 1362
   :||| |||||
Db 1 RAATAAATAT 12

RESULT 799
US-10-257-017B-24121/c
; Sequence 24121, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 24121
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0005613
US-10-257-017B-24121

Query Match          7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1437 ACATATACAT 1446
   |||||
Db 12 ACATATACAT 3

RESULT 800
US-10-257-017B-24122
; Sequence 24122, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 24122
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0005613
US-10-257-017B-24122
```

```
RESULT 801
US-10-257-017B-26637
; Sequence 26637, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 26637
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0007097
US-10-257-017B-26637

Query Match          7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1409 GTTAATGATG 1418
   |||||
Db 2 GTTAATGATG 11
```

```
RESULT 802
US-10-257-017B-26638/c
; Sequence 26638, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 26638
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0007097
US-10-257-017B-26638

Query Match          7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1409 GTTAATGATG 1418
   |||||
Db 12 GTTAATGATG 3
```

```
RESULT 803
US-10-257-017B-40987/c
; Sequence 40987, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
```


; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 40987
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0012366
US-10-257-017B-40987

Query Match 7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1357 AAATATTCCA 1366
Db 10 AAATATTCCA 1

RESULT 804

US-10-257-017B-40988
; Sequence 40988, Application US/10257017B
; GENERAL INFORMATION:

; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin

; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO

; CURRENT APPLICATION NUMBER: US/10/257,017B

; CURRENT FILING DATE: 2002-10-07

; PRIOR APPLICATION NUMBER: DE 10019173.8

; PRIOR FILING DATE: 2000-04-07

; NUMBER OF SEQ ID NOS: 382046

; SEQ ID NO 40988

; LENGTH: 13

; TYPE: DNA

; ORGANISM: Artificial Sequence

; FEATURE:

; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0012366

US-10-257-017B-40988

Query Match 7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1357 AAATATTCCA 1366
Db 4 AAATATTCCA 13

RESULT 805

US-10-257-017B-42007

; Sequence 42007, Application US/10257017B

; GENERAL INFORMATION:

; APPLICANT: Alexander Olek

; APPLICANT: Christian Piepenbrock

; APPLICANT: Kurt Berlin

; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO

; CURRENT APPLICATION NUMBER: US/10/257,017B

; CURRENT FILING DATE: 2002-10-07

; PRIOR APPLICATION NUMBER: DE 10019173.8

; PRIOR FILING DATE: 2000-04-07

; NUMBER OF SEQ ID NOS: 382046

; SEQ ID NO 42007

; LENGTH: 13

; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0012567
US-10-257-017B-42007

Query Match 7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1375 GAGCGATCGT 1384
Db 4 GAGCGATCGT 13

RESULT 806

US-10-257-017B-42008/c

; Sequence 42008, Application US/10257017B

; GENERAL INFORMATION:

; APPLICANT: Alexander Olek

; APPLICANT: Christian Piepenbrock

; APPLICANT: Kurt Berlin

; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO

; CURRENT APPLICATION NUMBER: US/10/257,017B

; CURRENT FILING DATE: 2002-10-07

; PRIOR APPLICATION NUMBER: DE 10019173.8

; PRIOR FILING DATE: 2000-04-07

; NUMBER OF SEQ ID NOS: 382046

; SEQ ID NO 42008

; LENGTH: 13

; TYPE: DNA

; ORGANISM: Artificial Sequence

; FEATURE:

; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0012567

US-10-257-017B-42008

Query Match 7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1375 GAGCGATCGT 1384
Db 10 GAGCGATCGT 1

RESULT 807

US-10-257-017B-48143/c

; Sequence 48143, Application US/10257017B

; GENERAL INFORMATION:

; APPLICANT: Alexander Olek

; APPLICANT: Christian Piepenbrock

; APPLICANT: Kurt Berlin

; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO

; CURRENT APPLICATION NUMBER: US/10/257,017B

; CURRENT FILING DATE: 2002-10-07

; PRIOR APPLICATION NUMBER: DE 10019173.8

; PRIOR FILING DATE: 2000-04-07

; NUMBER OF SEQ ID NOS: 382046

; SEQ ID NO 48143

; LENGTH: 13

; TYPE: DNA

; ORGANISM: Artificial Sequence

; FEATURE:

; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0013757

US-10-257-017B-48143

Query Match 7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 83.3%; Pred. No. 1.1e+03;
Matches 10; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

```
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 48148
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0013759
US-10-257-017B-48148

Query Match          7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 83.3%; Pred. No. 1.1e+03;
Matches 10; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1351 GAAGAAATAAT 1362
Db 12 GATGAAATAATAY 1

RESULT 811
US-10-257-017B-50663
; Sequence 50663, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 50663
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0014212
US-10-257-017B-50663

Query Match          7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1402 TAAATTTGTT 1411
Db 4 TAAATTTGTT 13

RESULT 812
US-10-257-017B-50664/c
; Sequence 50664, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0013759
US-10-257-017B-48144

Query Match          7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 83.3%; Pred. No. 1.1e+03;
Matches 10; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1460 ATCAAGCAATA 1471
Db 1 RTCAACAATA 12

RESULT 809
US-10-257-017B-48147
; Sequence 48147, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 48147
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0013759
US-10-257-017B-48147

Query Match          7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 83.3%; Pred. No. 1.1e+03;
Matches 10; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1460 ATCAAGCAATA 1471
Db 1 RTCAACAATA 12

RESULT 810
US-10-257-017B-48148/c
; Sequence 48148, Application US/10257017B
```

```
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 50664
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0014212
US-10-257-017B-50664

Query Match          7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1402 TAAATTTGTT 1411
Db 10 TAAATTTGTT 1

RESULT 813
US-10-257-017B-53653
; Sequence 53653, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 53653
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0014796
US-10-257-017B-53653

Query Match          7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1405 AATTGTTAAT 1414
Db 3 AATTGTTAAT 12

RESULT 814
US-10-257-017B-53654/c
; Sequence 53654, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 53654
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0014796

US-10-257-017B-53654

Query Match          7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1405 AATTGTTAAT 1414
Db 11 AATTGTTAAT 2

RESULT 815
US-10-257-017B-53709
; Sequence 53709, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 53709
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0014802
US-10-257-017B-53709

Query Match          7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1351 GAAGAAAAAT 1360
Db 4 GAAGAAAAAT 13

RESULT 816
US-10-257-017B-53710/c
; Sequence 53710, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 53710
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0014802
US-10-257-017B-53710

Query Match          7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1351 GAAGAAAAAT 1360
Db 10 GAAGAAAAAT 1
```

```
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 54063
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0014864
US-10-257-017B-54063

Query Match          7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1348 GGGGAAGAAA 1357
      |||||
Db 1 GGGGAAGAAA 10

RESULT 820
US-10-257-017B-54064/c
; Sequence 54064, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 54064
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0014864
US-10-257-017B-54064

Query Match          7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1348 GGGGAAGAAA 1357
      |||||
Db 13 GGGGAAGAAA 4

RESULT 821
US-10-257-017B-56067/c
; Sequence 56067, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 56067
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US-10-257-017B-53941/c
; Sequence 53941, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 53941
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0014838
US-10-257-017B-53941

Query Match          7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 83.3%; Pred. No. 1.1e+03;
Matches 10; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1401 GTAAAATTGTTA 1412
      :|||||
Db 13 RTAAAATTATTA 2

RESULT 818
US-10-257-017B-53942
; Sequence 53942, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 53942
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0014838
US-10-257-017B-53942

Query Match          7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 83.3%; Pred. No. 1.1e+03;
Matches 10; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1401 GTAAAATTGTTA 1412
      :|||||
Db 1 RTAAAATTATTA 12

RESULT 819
US-10-257-017B-54063
; Sequence 54063, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
```


; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0015245
US-10-257-017B-56067

Query Match 7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 83.3%; Pred. No. 1.1e+03;
Matches 10; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1354 GAAAAATATTCC 1365
:|||||
Db 13 RAAAAATCTTCC 2

RESULT 822
US-10-257-017B-56068
; Sequence 56068, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 56068
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0015245
US-10-257-017B-56068

Query Match 7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 83.3%; Pred. No. 1.1e+03;
Matches 10; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1354 GAAAAATATTCC 1365
:|||||
Db 1 RAAAAATCTTCC 12

RESULT 823
US-10-257-017B-57845
; Sequence 57845, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 57845
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0015565
US-10-257-017B-57845

Query Match 7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;

Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1375 GAGCGATCGT 1384
:|||||
Db 3 GAGCGATCGT 12

RESULT 824
US-10-257-017B-57846/c
; Sequence 57846, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 57846
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0015565
US-10-257-017B-57846

Query Match 7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1375 GAGCGATCGT 1384
:|||||
Db 11 GAGCGATCGT 2

RESULT 825
US-10-257-017B-59775/c
; Sequence 59775, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 59775
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0015989
US-10-257-017B-59775

Query Match 7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1437 ACATATACAT 1446
:|||||
Db 12 ACATATACAT 3

RESULT 826
US-10-257-017B-59776

```
; Sequence 59776, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 59776
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0015989
US-10-257-017B-59776

Query Match          7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1437 ACATATACAT 1446
      |||||
Db 2 ACATATACAT 11

RESULT 827
US-10-257-017B-60199
; Sequence 60199, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 60199
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0016082
US-10-257-017B-60199

Query Match          7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1450 AGATGGGTTG 1459
      |||||
Db 4 AGATGGGTTG 13

RESULT 828
US-10-257-017B-60200/c
; Sequence 60200, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
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; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 60200
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0016082
US-10-257-017B-60200

Query Match          7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1450 AGATGGGTTG 1459
      |||||
Db 10 AGATGGGTTG 1

RESULT 829
US-10-257-017B-61279
; Sequence 61279, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 61279
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0016313
US-10-257-017B-61279

Query Match          7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1451 GATGGGTTGA 1460
      |||||
Db 1 GATGGGTTGA 10

RESULT 830
US-10-257-017B-61280/c
; Sequence 61280, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 61280
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
```

; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0016313
US-10-257-017B-61280

Query Match 7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1451 GATGGGTTGA 1460
|||||
Db 13 GATGGGTTGA 4

RESULT 831

US-10-257-017B-62977/c
; Sequence 62977, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 62977
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0016656
US-10-257-017B-62977

Query Match 7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1357 AAATATTCCA 1366
|||||
Db 10 AAATATTCCA 1

RESULT 832

US-10-257-017B-62978
; Sequence 62978, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 62978
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0016656
US-10-257-017B-62978

Query Match 7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1357 AAATATTCCA 1366
|||||

Db 4 AAATATTCCA 13

RESULT 833

US-10-257-017B-63973
; Sequence 63973, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 63973
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0016888
US-10-257-017B-63973

Query Match 7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1410 TTAATGATGA 1419
|||||
Db 1 TTAATGATGA 10

RESULT 834

US-10-257-017B-63974/c
; Sequence 63974, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 63974
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0016888
US-10-257-017B-63974

Query Match 7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1410 TTAATGATGA 1419
|||||
Db 13 TTAATGATGA 4

RESULT 835

US-10-257-017B-65109/c
; Sequence 65109, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock

```
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 65109
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0017151
US-10-257-017B-65109
```

```
Query Match          7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 83.3%; Pred. No. 1.1e+03;
Matches 10; Conservative 1; Mismatches 1; Indels 0; Gaps 0;
```

```
QY 1351 GAAGAAAAAATAT 1362
    :||| |||||
Db 13 RAACAAAAAATAT 2
```

```
RESULT 836
US-10-257-017B-65110
; Sequence 65110, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 65110
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0017151
US-10-257-017B-65110
```

```
Query Match          7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 83.3%; Pred. No. 1.1e+03;
Matches 10; Conservative 1; Mismatches 1; Indels 0; Gaps 0;
```

```
QY 1351 GAAGAAAAAATAT 1362
    :||| |||||
Db 1 RAACAAAAAATAT 12
```

```
RESULT 837
US-10-257-017B-66683/c
; Sequence 66683, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
```

```
; SEQ ID NO 66683
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0017494
US-10-257-017B-66683
```

```
Query Match          7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY 1357 AAATATTCCA 1366
    |||||
Db 12 AAATATTCCA 3
```

```
RESULT 838
US-10-257-017B-66684
; Sequence 66684, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 66684
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0017494
US-10-257-017B-66684
```

```
Query Match          7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY 1357 AAATATTCCA 1366
    |||||
Db 2 AAATATTCCA 11
```

```
RESULT 839
US-10-257-017B-73027
; Sequence 73027, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 73027
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0018837
US-10-257-017B-73027
```

```
Query Match          7.7%; Score 10; DB 1; Length 13;
```



```
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1403 AAAATTGTTA 1412
Db 2 AAAATTGTTA 11

RESULT 840
US-10-257-017B-73028/c
; Sequence 73028, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 73028
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0018837
US-10-257-017B-73028

Query Match 7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1403 AAAATTGTTA 1412
Db 12 AAAATTGTTA 3

RESULT 841
US-10-257-017B-80071
; Sequence 80071, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 80071
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0020327
US-10-257-017B-80071

Query Match 7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1406 ATTGTTAATG 1415
Db 4 ATTGTTAATG 13

RESULT 842
```

```
US-10-257-017B-80072/c
; Sequence 80072, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 80072
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0020327
US-10-257-017B-80072

Query Match 7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1406 ATTGTTAATG 1415
Db 10 ATTGTTAATG 1

RESULT 843
US-10-257-017B-80365
; Sequence 80365, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 80365
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0020402
US-10-257-017B-80365

Query Match 7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1410 TTAATGATGA 1419
Db 2 TTAATGATGA 11

RESULT 844
US-10-257-017B-80366/c
; Sequence 80366, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
```

```
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 80366
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0020402
US-10-257-017B-80366
```

```
Query Match          7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY 1410 TTAATGATGA 1419
Db 12 TTAATGATGA 3
```

RESULT 845

```
US-10-257-017B-81967/c
; Sequence 81967, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 81967
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0020728
US-10-257-017B-81967
```

```
Query Match          7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 83.3%; Pred. No. 1.1e+03;
Matches 10; Conservative 1; Mismatches 1; Indels 0; Gaps 0;
```

```
QY 1354 GAAAAATATTCC 1365
Db 13 RAAACATATTCC 2
```

RESULT 846

```
US-10-257-017B-81968
; Sequence 81968, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 81968
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
```

```
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0020728
US-10-257-017B-81968
```

```
Query Match          7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 83.3%; Pred. No. 1.1e+03;
Matches 10; Conservative 1; Mismatches 1; Indels 0; Gaps 0;
```

```
QY 1354 GAAAAATATTCC 1365
Db 1 RAAACATATTCC 12
```

RESULT 847

```
US-10-257-017B-82289
; Sequence 82289, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 82289
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0020785
US-10-257-017B-82289
```

```
Query Match          7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY 1353 AGAAAAATAT 1362
Db 3 AGAAAAATAT 12
```

RESULT 848

```
US-10-257-017B-82290/c
; Sequence 82290, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 82290
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0020785
US-10-257-017B-82290
```

```
Query Match          7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY 1353 AGAAAAATAT 1362
```


; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 86707
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0021791
US-10-257-017B-86707

Query Match 7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1351 GAAGAAAAAT 1360
|||||
Db 1 GAAGAAAAAT 10

RESULT 854
US-10-257-017B-86708/c
; Sequence 86708, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 86708
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0021791
US-10-257-017B-86708

Query Match 7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1351 GAAGAAAAAT 1360
|||||
Db 13 GAAGAAAAAT 4

RESULT 855
US-10-257-017B-90353
; Sequence 90353, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 90353
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0022648
US-10-257-017B-90353

Query Match 7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1401 GTAAAAATTGT 1410
|||||
Db 3 GTAAAAATTGT 12

RESULT 856
US-10-257-017B-90354/c
; Sequence 90354, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 90354
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0022648
US-10-257-017B-90354

Query Match 7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1401 GTAAAAATTGT 1410
|||||
Db 11 GTAAAAATTGT 2

RESULT 857
US-10-257-017B-92315/c
; Sequence 92315, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 92315
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0023077
US-10-257-017B-92315

Query Match 7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1355 AAAAATATTC 1364
|||||
Db 12 AAAAATATTC 3


```
RESULT 858
US-10-257-017B-92316
; Sequence 92316, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 92316.
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0023371
US-10-257-017B-92316

Query Match
Best Local Similarity 100.0%; Score 10; DB 1; Length 13;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1355 AAAAATATTC 1364
Db 2 AAAAATATTC 11

RESULT 859
US-10-257-017B-93509
; Sequence 93509, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 93509
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0023371
US-10-257-017B-93509

Query Match
Best Local Similarity 100.0%; Score 10; DB 1; Length 13;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1400 GGTAATAATTG 1409
Db 4 GGTAATAATTG 13

RESULT 860
US-10-257-017B-93510/c
; Sequence 93510, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
```

```
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 93510
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0023371
US-10-257-017B-93510

Query Match
Best Local Similarity 100.0%; Score 10; DB 1; Length 13;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1400 GGTAATAATTG 1409
Db 10 GGTAATAATTG 1

RESULT 861
US-10-257-017B-94173/c
; Sequence 94173, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 94173
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0023509
US-10-257-017B-94173

Query Match
Best Local Similarity 83.3%; Score 10; DB 1; Length 13;
Matches 10; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1361 ATTCCACGCATC 1372
Db 13 RTTCCACGAATC 2

RESULT 862
US-10-257-017B-94174
; Sequence 94174, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 94174
; LENGTH: 13
; TYPE: DNA
```

```
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0023509
US-10-257-017B-94174
```

```
Query Match          7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 83.3%; Pred. No. 1.1e+03;
Matches 10; Conservative 1; Mismatches 1; Indels 0; Gaps 0;
```

```
QY      1361 ATTCCACGCATC 1372
Db      :|||||
        1 RTTCCACGAATC 12
```

```
RESULT 863
US-10-257-017B-95059/c
; Sequence 95059, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 95059
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0023684
US-10-257-017B-95059
```

```
Query Match          7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      1355 AAAAATATTC 1364
Db      :|||||
        11 AAAAATATTC 2
```

```
RESULT 864
US-10-257-017B-95060
; Sequence 95060, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 95060
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0023684
US-10-257-017B-95060
```

```
Query Match          7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      1355 AAAAATATTC 1364
Db      :|||||
        3 AAAAATATTC 12
```

```
RESULT 865
US-10-257-017B-95633/c
; Sequence 95633, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 95633
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0023795
US-10-257-017B-95633
```

```
Query Match          7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      1355 AAAAATATTC 1364
Db      :|||||
        12 AAAAATATTC 3
```

```
RESULT 866
US-10-257-017B-95634
; Sequence 95634, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 95634
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0023795
US-10-257-017B-95634
```

```
Query Match          7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      1355 AAAAATATTC 1364
Db      :|||||
        2 AAAAATATTC 11
```

```
RESULT 867
US-10-257-017B-97055
; Sequence 97055, Application US/10257017B
; GENERAL INFORMATION:
```

; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 97055
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0024079
US-10-257-017B-97055

Query Match 7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1353 AGAAAAATAT 1362
|||||||
Db 1 AGAAAAATAT 10

RESULT 868
US-10-257-017B-97056/c
; Sequence 97056, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 97056
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0024079
US-10-257-017B-97056

Query Match 7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1353 AGAAAAATAT 1362
|||||||
Db 13 AGAAAAATAT 4

RESULT 869
US-10-257-017B-100535
; Sequence 100535, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8

; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 100535
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0025011
US-10-257-017B-100535

Query Match 7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1398 GAGGTAAAT 1407
|||||||
Db 3 GAGGTAAAT 12

RESULT 870
US-10-257-017B-100536/c
; Sequence 100536, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 100536
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0025011
US-10-257-017B-100536

Query Match 7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1398 GAGGTAAAT 1407
|||||||
Db 11 GAGGTAAAT 2

RESULT 871
US-10-257-017B-102561
; Sequence 102561, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 102561
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0025589
US-10-257-017B-102561

Query Match 7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1395 AAGGAGGTAA 1404
|||||
Db 1 AAGGAGGTAA 10

RESULT 872

US-10-257-017B-102562/c

; Sequence 102562, Application US/10257017B

; GENERAL INFORMATION:

; APPLICANT: Alexander Olek

; APPLICANT: Christian Piepenbrock

; APPLICANT: Kurt Berlin

; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine

; TITLE OF INVENTION: methylations

; FILE REFERENCE: E01/1193/WO

; CURRENT APPLICATION NUMBER: US/10/257,017B

; CURRENT FILING DATE: 2002-10-07

; PRIOR APPLICATION NUMBER: DE 10019173.8

; PRIOR FILING DATE: 2000-04-07

; NUMBER OF SEQ ID NOS: 382046

; SEQ ID NO 102562

; LENGTH: 13

; TYPE: DNA

; ORGANISM: Artificial Sequence

; FEATURE:

; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0025589

US-10-257-017B-102562

Query Match 7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1395 AAGGAGGTAA 1404
|||||
Db 13 AAGGAGGTAA 4

RESULT 873

US-10-257-017B-103207

; Sequence 103207, Application US/10257017B

; GENERAL INFORMATION:

; APPLICANT: Alexander Olek

; APPLICANT: Christian Piepenbrock

; APPLICANT: Kurt Berlin

; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine

; TITLE OF INVENTION: methylations

; FILE REFERENCE: E01/1193/WO

; CURRENT APPLICATION NUMBER: US/10/257,017B

; CURRENT FILING DATE: 2002-10-07

; PRIOR APPLICATION NUMBER: DE 10019173.8

; PRIOR FILING DATE: 2000-04-07

; NUMBER OF SEQ ID NOS: 382046

; SEQ ID NO 103207

; LENGTH: 13

; TYPE: DNA

; ORGANISM: Artificial Sequence

; FEATURE:

; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0025817

US-10-257-017B-103207

Query Match 7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 83.3%; Pred. No. 1.1e+03;
Matches 10; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1455 GGTGATCAAGC 1466
|||||
Db 2 GGTGATTAAGY 13

RESULT 874

US-10-257-017B-103208/c

; Sequence 103208, Application US/10257017B

; GENERAL INFORMATION:

; APPLICANT: Alexander Olek

; APPLICANT: Christian Piepenbrock

; APPLICANT: Kurt Berlin

; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine

; TITLE OF INVENTION: methylations

; FILE REFERENCE: E01/1193/WO

; CURRENT APPLICATION NUMBER: US/10/257,017B

; CURRENT FILING DATE: 2002-10-07

; PRIOR APPLICATION NUMBER: DE 10019173.8

; PRIOR FILING DATE: 2000-04-07

; NUMBER OF SEQ ID NOS: 382046

; SEQ ID NO 103208

; LENGTH: 13

; TYPE: DNA

; ORGANISM: Artificial Sequence

; FEATURE:

; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0025817

US-10-257-017B-103208

Query Match 7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 83.3%; Pred. No. 1.1e+03;
Matches 10; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1455 GGTGATCAAGC 1466
|||||
Db 12 GGTGATTAAGY 1

RESULT 875

US-10-257-017B-103331

; Sequence 103331, Application US/10257017B

; GENERAL INFORMATION:

; APPLICANT: Alexander Olek

; APPLICANT: Christian Piepenbrock

; APPLICANT: Kurt Berlin

; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine

; TITLE OF INVENTION: methylations

; FILE REFERENCE: E01/1193/WO

; CURRENT APPLICATION NUMBER: US/10/257,017B

; CURRENT FILING DATE: 2002-10-07

; PRIOR APPLICATION NUMBER: DE 10019173.8

; PRIOR FILING DATE: 2000-04-07

; NUMBER OF SEQ ID NOS: 382046

; SEQ ID NO 103331

; LENGTH: 13

; TYPE: DNA

; ORGANISM: Artificial Sequence

; FEATURE:

; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0025853

US-10-257-017B-103331

Query Match 7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1395 AAGGAGGTAA 1404
|||||
Db 4 AAGGAGGTAA 13

RESULT 876

US-10-257-017B-103332/c

; Sequence 103332, Application US/10257017B

; GENERAL INFORMATION:

; APPLICANT: Alexander Olek

; APPLICANT: Christian Piepenbrock

; APPLICANT: Kurt Berlin

; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine


```
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 103332
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0025853
US-10-257-017B-103332
```

```
Query Match          7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY 1395 AAGGAGGTAA 1404
      ||| ||| ||| ||| |||
Db 10 AAGGAGGTAA 1
```

RESULT 877

```
US-10-257-017B-105251/c
; Sequence 105251, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 105251
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0026360
US-10-257-017B-105251
```

```
Query Match          7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 83.3%; Pred. No. 1.1e+03;
Matches 10; Conservative 1; Mismatches 1; Indels 0; Gaps 0;
```

```
QY 1351 GAAGAAAAATAT 1362
      :|| ||| ||| ||| |||
Db 13 RAAAAAAATAT 2
```

RESULT 878

```
US-10-257-017B-105252
; Sequence 105252, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 105252
; LENGTH: 13
```

```
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0026360
US-10-257-017B-105252
```

```
Query Match          7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 83.3%; Pred. No. 1.1e+03;
Matches 10; Conservative 1; Mismatches 1; Indels 0; Gaps 0;
```

```
QY 1351 GAAGAAAAATAT 1362
      :|| ||| ||| ||| |||
Db 1 RAAAAAAATAT 12
```

RESULT 879

```
US-10-257-017B-107611/c
; Sequence 107611, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 107611
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0026951
US-10-257-017B-107611
```

```
Query Match          7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 83.3%; Pred. No. 1.1e+03;
Matches 10; Conservative 1; Mismatches 1; Indels 0; Gaps 0;
```

```
QY 1354 GAAAAATATTC 1365
      :||| ||| ||| ||| |||
Db 13 RAAACTATTC 2
```

RESULT 880

```
US-10-257-017B-107612
; Sequence 107612, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 107612
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0026951
US-10-257-017B-107612
```

```
Query Match          7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 83.3%; Pred. No. 1.1e+03;
Matches 10; Conservative 1; Mismatches 1; Indels 0; Gaps 0;
```

QY 1354 GAAAAATATTCC 1365
:|||||
Db 1 RAAAACTATTCC 12

RESULT 881

US-10-257-017B-107687/c

; Sequence 107687, Application US/10257017B

; GENERAL INFORMATION:

; APPLICANT: Alexander Olek

; APPLICANT: Christian Piepenbrock

; APPLICANT: Kurt Berlin

; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine

; FILE REFERENCE: E01/1193/WO

; CURRENT APPLICATION NUMBER: US/10/257,017B

; CURRENT FILING DATE: 2002-10-07

; PRIOR APPLICATION NUMBER: DE 10019173.8

; PRIOR FILING DATE: 2000-04-07

; NUMBER OF SEQ ID NOS: 382046

; SEQ ID NO 107687

; LENGTH: 13

; TYPE: DNA

; ORGANISM: Artificial Sequence

; FEATURE:

; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0026969

US-10-257-017B-107687

Query Match 7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 83.3%; Pred. No. 1.1e+03;
Matches 10; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1354 GAAAAATATTCC 1365
:|||||
Db 13 RAAAAATATTTC 2

RESULT 882

US-10-257-017B-107688

; Sequence 107688, Application US/10257017B

; GENERAL INFORMATION:

; APPLICANT: Alexander Olek

; APPLICANT: Christian Piepenbrock

; APPLICANT: Kurt Berlin

; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine

; FILE REFERENCE: E01/1193/WO

; CURRENT APPLICATION NUMBER: US/10/257,017B

; CURRENT FILING DATE: 2002-10-07

; PRIOR APPLICATION NUMBER: DE 10019173.8

; PRIOR FILING DATE: 2000-04-07

; NUMBER OF SEQ ID NOS: 382046

; SEQ ID NO 107688

; LENGTH: 13

; TYPE: DNA

; ORGANISM: Artificial Sequence

; FEATURE:

; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0026969

US-10-257-017B-107688

Query Match 7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 83.3%; Pred. No. 1.1e+03;
Matches 10; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1354 GAAAAATATTCC 1365
:|||||
Db 1 RAAAAATATTTC 12

RESULT 883

US-10-257-017B-107941

; Sequence 107941, Application US/10257017B

; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 107941
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0027027
US-10-257-017B-107941

Query Match 7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1399 AGGTAAATTT 1408
:|||||
Db 2 AGGTAAATTT 11

RESULT 884

US-10-257-017B-107942/c

; Sequence 107942, Application US/10257017B

; GENERAL INFORMATION:

; APPLICANT: Alexander Olek

; APPLICANT: Christian Piepenbrock

; APPLICANT: Kurt Berlin

; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine

; FILE REFERENCE: E01/1193/WO

; CURRENT APPLICATION NUMBER: US/10/257,017B

; CURRENT FILING DATE: 2002-10-07

; PRIOR APPLICATION NUMBER: DE 10019173.8

; NUMBER OF SEQ ID NOS: 382046

; SEQ ID NO 107942

; LENGTH: 13

; TYPE: DNA

; ORGANISM: Artificial Sequence

; FEATURE:

; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0027027

US-10-257-017B-107942

Query Match 7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1399 AGGTAAATTT 1408
:|||||
Db 12 AGGTAAATTT 3

RESULT 885

US-10-257-017B-113531/c

; Sequence 113531, Application US/10257017B

; GENERAL INFORMATION:

; APPLICANT: Alexander Olek

; APPLICANT: Christian Piepenbrock

; APPLICANT: Kurt Berlin

; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine

; FILE REFERENCE: E01/1193/WO

; CURRENT APPLICATION NUMBER: US/10/257,017B

; CURRENT FILING DATE: 2002-10-07

;
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 113531
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0028415
US-10-257-017B-113531

Query Match 7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1355 AAAAATATTC 1364
Db 11 AAAAATATTC 2

RESULT 886

US-10-257-017B-113532
; Sequence 113532, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 113532
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0028415
US-10-257-017B-113532

Query Match 7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1355 AAAAATATTC 1364
Db 3 AAAAATATTC 12

RESULT 887

US-10-257-017B-115215
; Sequence 115215, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 115215
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0028882

US-10-257-017B-115215

Query Match 7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1354 GAAAAATATT 1363
Db 2 GAAAAATATT 11

RESULT 888

US-10-257-017B-115216/c
; Sequence 115216, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 115216
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0028882
US-10-257-017B-115216

Query Match 7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1354 GAAAAATATT 1363
Db 12 GAAAAATATT 3

RESULT 889

US-10-257-017B-118837/c
; Sequence 118837, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 118837
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0029672
US-10-257-017B-118837

Query Match 7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 83.3%; Pred. No. 1.1e+03;
Matches 10; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1356 AAAAATATTCAC 1367
Db 13 RAAATATCCAC 2

```

; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 123026
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0030755
US-10-257-017B-123026

Query Match          7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred.No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1448 GAAGATGGGT 1457
Db 12 GAAGATGGGT 3

RESULT 893
US-10-257-017B-128463/c
; Sequence 128463, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 128463
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0032178
US-10-257-017B-128463

Query Match          7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred.No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1357 AAATATTCCA 1366
Db 13 AAATATTCCA 4

RESULT 894
US-10-257-017B-128464
; Sequence 128464, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 128464
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; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 118838
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0029672
US-10-257-017B-118838

Query Match          7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 83.3%; Pred.No. 1.1e+03;
Matches 10; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1356 AAAATATCCAC 1367
Db 1 RAAATATCCAC 12

RESULT 891
US-10-257-017B-123025
; Sequence 123025, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 123025
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0030755
US-10-257-017B-123025

Query Match          7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred.No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1448 GAAGATGGGT 1457
Db 2 GAAGATGGGT 11

RESULT 892
US-10-257-017B-123026/c
; Sequence 123026, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
```


; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0032178
US-10-257-017B-128464

Query Match 7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1357 AAATATTCCA 1366
|||||
Db 1 AAATATTCCA 10

RESULT 895
US-10-257-017B-129039
; Sequence 129039, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 129039
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0032305
US-10-257-017B-129039

Query Match 7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1402 TAAATTTGTT 1411
|||||
Db 3 TAAATTTGTT 12

RESULT 896
US-10-257-017B-129040/c
; Sequence 129040, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 129040
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0032305
US-10-257-017B-129040

Query Match 7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;

Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1402 TAAATTTGTT 1411
|||||
Db 11 TAAATTTGTT 2

RESULT 897
US-10-257-017B-131753/c
; Sequence 131753, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 131753
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0032892
US-10-257-017B-131753

Query Match 7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1356 AAAATATTCC 1365
|||||
Db 11 AAAATATTCC 2

RESULT 898
US-10-257-017B-131754
; Sequence 131754, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 131754
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0032892
US-10-257-017B-131754

Query Match 7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1356 AAAATATTCC 1365
|||||
Db 3 AAAATATTCC 12

RESULT 899
US-10-257-017B-132237/c

; Sequence 132237, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 132237
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0032997
US-10-257-017B-132237

Query Match 7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1358 AATATCCAC 1367
|||||
Db 13 AATATCCAC 4

RESULT 900

US-10-257-017B-132238
; Sequence 132238, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 132238
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0032997
US-10-257-017B-132238

Query Match 7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1358 AATATCCAC 1367
|||||
Db 1 AATATCCAC 10

RESULT 901

US-10-257-017B-132805
; Sequence 132805, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B

; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 132805
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0033117
US-10-257-017B-132805

Query Match 7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1404 AAATTGTAA 1413
|||||
Db 4 AAATTGTAA 13

RESULT 902

US-10-257-017B-132806/c
; Sequence 132806, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 132806
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0033117
US-10-257-017B-132806

Query Match 7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1404 AAATTGTAA 1413
|||||
Db 10 AAATTGTAA 1

RESULT 903

US-10-257-017B-135433
; Sequence 135433, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 135433
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:

OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0033799
US-10-257-017B-135433

Query Match 7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1410 TTAATGATGA 1419
|||||
Db 2 TTAATGATGA 11

RESULT 904

US-10-257-017B-135434/c

; Sequence 135434, Application US/10257017B

; GENERAL INFORMATION:

; APPLICANT: Alexander Olek

; APPLICANT: Christian Piepenbrock

; APPLICANT: Kurt Berlin

; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine

; TITLE OF INVENTION: methylations

; FILE REFERENCE: E01/1193/WO

; CURRENT APPLICATION NUMBER: US/10/257,017B

; CURRENT FILING DATE: 2002-10-07

; PRIOR APPLICATION NUMBER: DE 10019173.8

; PRIOR FILING DATE: 2000-04-07

; NUMBER OF SEQ ID NOS: 382046

; SEQ ID NO 135434

; LENGTH: 13

; TYPE: DNA

; ORGANISM: Artificial Sequence

; FEATURE:

OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0033799

US-10-257-017B-135434

Query Match 7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1410 TTAATGATGA 1419
|||||
Db 12 TTAATGATGA 3

RESULT 905

US-10-257-017B-136311

; Sequence 136311, Application US/10257017B

; GENERAL INFORMATION:

; APPLICANT: Alexander Olek

; APPLICANT: Christian Piepenbrock

; APPLICANT: Kurt Berlin

; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine

; TITLE OF INVENTION: methylations

; FILE REFERENCE: E01/1193/WO

; CURRENT APPLICATION NUMBER: US/10/257,017B

; CURRENT FILING DATE: 2002-10-07

; PRIOR APPLICATION NUMBER: DE 10019173.8

; PRIOR FILING DATE: 2000-04-07

; NUMBER OF SEQ ID NOS: 382046

; SEQ ID NO 136311

; LENGTH: 13

; TYPE: DNA

; ORGANISM: Artificial Sequence

; FEATURE:

OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0034044

US-10-257-017B-136311

Query Match 7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1448 GAAGATGGGT 1457
|||||

Db 2 GAAGATGGGT 11

RESULT 906

US-10-257-017B-136312/c

; Sequence 136312, Application US/10257017B

; GENERAL INFORMATION:

; APPLICANT: Alexander Olek

; APPLICANT: Christian Piepenbrock

; APPLICANT: Kurt Berlin

; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine

; TITLE OF INVENTION: methylations

; FILE REFERENCE: E01/1193/WO

; CURRENT APPLICATION NUMBER: US/10/257,017B

; CURRENT FILING DATE: 2002-10-07

; PRIOR APPLICATION NUMBER: DE 10019173.8

; PRIOR FILING DATE: 2000-04-07

; NUMBER OF SEQ ID NOS: 382046

; SEQ ID NO 136312

; LENGTH: 13

; TYPE: DNA

; ORGANISM: Artificial Sequence

; FEATURE:

OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0034044

US-10-257-017B-136312

Query Match 7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1448 GAAGATGGGT 1457
|||||

Db 12 GAAGATGGGT 3

RESULT 907

US-10-257-017B-140385

; Sequence 140385, Application US/10257017B

; GENERAL INFORMATION:

; APPLICANT: Alexander Olek

; APPLICANT: Christian Piepenbrock

; APPLICANT: Kurt Berlin

; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine

; TITLE OF INVENTION: methylations

; FILE REFERENCE: E01/1193/WO

; CURRENT APPLICATION NUMBER: US/10/257,017B

; CURRENT FILING DATE: 2002-10-07

; PRIOR APPLICATION NUMBER: DE 10019173.8

; PRIOR FILING DATE: 2000-04-07

; NUMBER OF SEQ ID NOS: 382046

; SEQ ID NO 140385

; LENGTH: 13

; TYPE: DNA

; ORGANISM: Artificial Sequence

; FEATURE:

OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0035188

US-10-257-017B-140385

Query Match 7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1402 TAAAATTGTT 1411
|||||

Db 1 TAAAATTGTT 10

RESULT 908

US-10-257-017B-140386/c

; Sequence 140386, Application US/10257017B

; GENERAL INFORMATION:

; APPLICANT: Alexander Olek

; APPLICANT: Christian Piepenbrock

```
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 140386
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0035188
US-10-257-017B-140386
```

```
Query Match          7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY 1402 TAAATTTGTT 1411
    |||||
Db 13 TAAATTTGTT 4
```

```
RESULT 909
US-10-257-017B-142323
; Sequence 142323, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 142323
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0035679
US-10-257-017B-142323
```

```
Query Match          7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY 1353 AGAAAAATAT 1362
    |||||
Db 2 AGAAAAATAT 11
```

```
RESULT 910
US-10-257-017B-142324/c
; Sequence 142324, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
```

```
; SEQ ID NO 142324
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0035679
US-10-257-017B-142324
```

```
Query Match          7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY 1353 AGAAAAATAT 1362
    |||||
Db 12 AGAAAAATAT 3
```

```
RESULT 911
US-10-257-017B-143215/c
; Sequence 143215, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 143215
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0035935
US-10-257-017B-143215
```

```
Query Match          7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 83.3%; Pred. No. 1.1e+03;
Matches 10; Conservative 1; Mismatches 1; Indels 0; Gaps 0;
```

```
QY 1358 AATATTCACGC 1369
    :|||||
Db 13 RATATTCCTCGC 2
```

```
RESULT 912
US-10-257-017B-143216
; Sequence 143216, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 143216
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0035935
US-10-257-017B-143216
```

```
Query Match          7.7%; Score 10; DB 1; Length 13;
```


Best Local Similarity 83.3%; Pred. No. 1.1e+03;
Matches 10; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1358 AATATTCACGC 1369
Db :|||||
1 RATATCCCCGC 12

RESULT 913
US-10-257-017B-144231
; Sequence 144231, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 144231
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0036260
US-10-257-017B-144231

Query Match 7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1449 AAGATGGGTT 1458
Db :|||||
1 AAGATGGGTT 10

RESULT 914
US-10-257-017B-144232/c
; Sequence 144232, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 144232
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0036260
US-10-257-017B-144232

Query Match 7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1449 AAGATGGGTT 1458
Db :|||||
13 AAGATGGGTT 4

RESULT 915

US-10-257-017B-147577
; Sequence 147577, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 147577
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0037287
US-10-257-017B-147577

Query Match 7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1407 TTGTTAATGA 1416
Db :|||||
1 TTGTTAATGA 10

RESULT 916
US-10-257-017B-147578/c
; Sequence 147578, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 147578
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0037287
US-10-257-017B-147578

Query Match 7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1407 TTGTTAATGA 1416
Db :|||||
13 TTGTTAATGA 4

RESULT 917
US-10-257-017B-147657
; Sequence 147657, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO

```
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 147657
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0037311
US-10-257-017B-147657
```

```
Query Match          7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      1400 GGTAATAATTG 1409
Db      3 GGTAATAATTG 12
```

```
RESULT 918
US-10-257-017B-147658/c
; Sequence 147658, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 147658
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0037311
US-10-257-017B-147658
```

```
Query Match          7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      1400 GGTAATAATTG 1409
Db      11 GGTAATAATTG 2
```

```
RESULT 919
US-10-257-017B-147879/c
; Sequence 147879, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 147879
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
```

```
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0037346
US-10-257-017B-147879
```

```
Query Match          7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      1357 AAATATTCCA 1366
Db      13 AAATATTCCA 4
```

```
RESULT 920
US-10-257-017B-147880
; Sequence 147880, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 147880
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0037346
US-10-257-017B-147880
```

```
Query Match          7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      1357 AAATATTCCA 1366
Db      1 AAATATTCCA 10
```

```
RESULT 921
US-10-257-017B-148407
; Sequence 148407, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 148407
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0037461
US-10-257-017B-148407
```

```
Query Match          7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      1352 AAGAAAAATA 1361
```

```
Db      |||||
1 AAGAAAAATA 10

RESULT 922
US-10-257-017B-148408/c
; Sequence 148408, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 148408
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0037542
US-10-257-017B-148408

Query Match      7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1352 AAGAAAAATA 1361
Db      |||||
13 AAGAAAAATA 4

RESULT 923
US-10-257-017B-148707
; Sequence 148707, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 148707
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0037542
US-10-257-017B-148707

Query Match      7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1450 AGATGGGTTG 1459
Db      |||||
2 AGATGGGTTG 11

RESULT 924
US-10-257-017B-148708/c
; Sequence 148708, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
```

```
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 148708
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0037542
US-10-257-017B-148708

Query Match      7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1450 AGATGGGTTG 1459
Db      |||||
12 AGATGGGTTG 3

RESULT 925
US-10-257-017B-154055/c
; Sequence 154055, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 154055
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0000577
US-10-257-017B-154055

Query Match      7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 83.3%; Pred. No. 1.1e+03;
Matches 10; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY      1352 AAGAAAAATATT 1363
Db      |||||
13 RAAAAAAATATT 2

RESULT 926
US-10-257-017B-154056
; Sequence 154056, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
```

; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 154056
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0000577
US-10-257-017B-154056

Query Match 7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 83.3%; Pred. No. 1.1e+03;
Matches 10; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1352 AAGAAAAATATT 1363
:| |||||
Db 1 RAAAAAATATT 12

RESULT 927
US-10-257-017B-154223
; Sequence 154223, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 154223
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0038977
US-10-257-017B-154223

Query Match 7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 83.3%; Pred. No. 1.1e+03;
Matches 10; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1349 GGAAGAAAAAT 1360
||| |||||
Db 2 GGAAGAGAGAAAY 13

RESULT 928
US-10-257-017B-154224/c
; Sequence 154224, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 154224
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0038977
US-10-257-017B-154224

Query Match 7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 83.3%; Pred. No. 1.1e+03;
Matches 10; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1349 GGAAGAAAAAT 1360
||| |||||
Db 12 GGAAGAGAGAAAY 1

RESULT 929
US-10-257-017B-155547
; Sequence 155547, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 155547
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0039277
US-10-257-017B-155547

Query Match 7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1445 ATGGAAGATG 1454
||| |||||
Db 4 ATGGAAGATG 13

RESULT 930
US-10-257-017B-155548/c
; Sequence 155548, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 155548
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0039277
US-10-257-017B-155548

Query Match 7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1445 ATGGAAGATG 1454
||| |||||
Db 10 ATGGAAGATG 1

RESULT 931
US-10-257-017B-161189/c
; Sequence 161189, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 161189
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0040579
US-10-257-017B-161189

Query Match 7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1355 AAAAATATTC 1364
|||||
Db 12 AAAAATATTC 3

RESULT 932
US-10-257-017B-161190
; Sequence 161190, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 161190
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0040579
US-10-257-017B-161190

Query Match 7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1355 AAAAATATTC 1364
|||||
Db 2 AAAAATATTC 11

RESULT 933
US-10-257-017B-164657/c
; Sequence 164657, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations

; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 164657
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0041318
US-10-257-017B-164657

Query Match 7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1355 AAAAATATTC 1364
|||||
Db 10 AAAAATATTC 1

RESULT 934
US-10-257-017B-164658
; Sequence 164658, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 164658
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0041318
US-10-257-017B-164658

Query Match 7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1355 AAAAATATTC 1364
|||||
Db 4 AAAAATATTC 13

RESULT 935
US-10-257-017B-165853
; Sequence 165853, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 165853
; LENGTH: 13
; TYPE: DNA

; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0041592
US-10-257-017B-165853

Query Match 7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1406 ATTGTTAATG 1415
Db 4 ATTGTTAATG 13

RESULT 936
US-10-257-017B-165854/c
; Sequence 165854, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 165854
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0041592
US-10-257-017B-165854

Query Match 7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1406 ATTGTTAATG 1415
Db 10 ATTGTTAATG 1

RESULT 937
US-10-257-017B-168697/c
; Sequence 168697, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 168697
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0042182
US-10-257-017B-168697

Query Match 7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1354 GAAAAATATT 1363
Db 12 GAAAAATATT 3

RESULT 938
US-10-257-017B-168698
; Sequence 168698, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 168698
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0042182
US-10-257-017B-168698

Query Match 7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1354 GAAAAATATT 1363
Db 2 GAAAAATATT 11

RESULT 939
US-10-257-017B-169517
; Sequence 169517, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 169517
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0042350
US-10-257-017B-169517

Query Match 7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1410 TTAATGATGA 1419
Db 2 TTAATGATGA 11

RESULT 940
US-10-257-017B-169518/c
; Sequence 169518, Application US/10257017B
; GENERAL INFORMATION:

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; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 169518
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0042350
US-10-257-017B-169518

Query Match          7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1410 TTAATGATGA 1419
Db 12 TTAATGATGA 3

RESULT 941
US-10-257-017B-171405
; Sequence 171405, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 171405
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0042725
US-10-257-017B-171405

Query Match          7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1394 AAAGGAGGTA 1403
Db 4 AAAGGAGGTA 13

RESULT 942
US-10-257-017B-171406/c
; Sequence 171406, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
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; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 171406
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0042725
US-10-257-017B-171406

Query Match          7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1394 AAAGGAGGTA 1403
Db 10 AAAGGAGGTA 1

RESULT 943
US-10-257-017B-171967
; Sequence 171967, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 171967
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0042867
US-10-257-017B-171967

Query Match          7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1352 AAGAAAAATA 1361
Db 1 AAGAAAAATA 10

RESULT 944
US-10-257-017B-171968/c
; Sequence 171968, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 171968
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0042867
US-10-257-017B-171968
```

Query Match 7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1352 AAGAAAAATA 1361
|||||
Db 13 AAGAAAAATA 4

RESULT 945

US-10-257-017B-172185
; Sequence 172185, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 172185
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0042934
US-10-257-017B-172185

Query Match 7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1447 GGAAGATGGG 1456
|||||
Db 2 GGAAGATGGG 11

RESULT 946

US-10-257-017B-172186/c
; Sequence 172186, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 172186
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0042934
US-10-257-017B-172186

Query Match 7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1447 GGAAGATGGG 1456
|||||
Db 12 GGAAGATGGG 3

RESULT 947
US-10-257-017B-173005/c
; Sequence 173005, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 173005
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0043103
US-10-257-017B-173005

Query Match 7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1380 ATCGTCTTCT 1389
|||||
Db 11 ATCGTCTTCT 2

RESULT 948

US-10-257-017B-173006
; Sequence 173006, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 173006
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0043103
US-10-257-017B-173006

Query Match 7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1380 ATCGTCTTCT 1389
|||||
Db 3 ATCGTCTTCT 12

RESULT 949

US-10-257-017B-183307
; Sequence 183307, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine


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; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 183307
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0045258
US-10-257-017B-183307
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```
Query Match          7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY 1410 TTAATGATGA 1419
      |||||
Db 2 TTAATGATGA 11
```

RESULT 950

```
US-10-257-017B-183308/c
; Sequence 183308, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 183308
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0045258
US-10-257-017B-183308
```

```
Query Match          7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY 1410 TTAATGATGA 1419
      |||||
Db 12 TTAATGATGA 3
```

RESULT 951

```
US-10-257-017B-189085/c
; Sequence 189085, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 189085
; LENGTH: 13
```

```
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0046541
US-10-257-017B-189085
```

```
Query Match          7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY 1355 AAAAATATTC 1364
      |||||
Db 10 AAAAATATTC 1
```

RESULT 952

```
US-10-257-017B-189086
; Sequence 189086, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 189086
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0046541
US-10-257-017B-189086
```

```
Query Match          7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY 1355 AAAAATATTC 1364
      |||||
Db 4 AAAAATATTC 13
```

RESULT 953

```
US-10-257-017B-189409/c
; Sequence 189409, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 189409
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0000731
US-10-257-017B-189409
```

```
Query Match          7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY 1355 AAAAATATTC 1364
Db 12 AAAAATATTC 3

RESULT 954
US-10-257-017B-189410
; Sequence 189410, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 189410
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC00046671
US-10-257-017B-189410

Query Match 7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1355 AAAAATATTC 1364
Db 2 AAAAATATTC 11

RESULT 955
US-10-257-017B-189701/c
; Sequence 189701, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 189701
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC00046671
US-10-257-017B-189701

Query Match 7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 83.3%; Pred. No. 1.1e+03;
Matches 10; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1354 GAAAAATATTC 1365
Db 13 AAAAATATTC 4

RESULT 958
US-10-257-017B-194096
; Sequence 194096, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 194095
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC00047730
US-10-257-017B-194095

Query Match 7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1355 AAAAATATTC 1364
Db 13 AAAAATATTC 4

RESULT 958
US-10-257-017B-194096
; Sequence 194096, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 194095
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC00046671
US-10-257-017B-189410

Query Match 7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 83.3%; Pred. No. 1.1e+03;
Matches 10; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1354 GAAAAATATTC 1365
Db 13 RAAAAACATTC 2

RESULT 956
US-10-257-017B-189702
; Sequence 189702, Application US/10257017B
```

```
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 194096
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0047730
US-10-257-017B-194096

Query Match      7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1355 AAAAATATTC 1364
Db      1 AAAAATATTC 10

RESULT 959
US-10-257-017B-195783
; Sequence 195783, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 195783
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0048161
US-10-257-017B-195783

Query Match      7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 83.3%; Pred. No. 1.1e+03;
Matches 10; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY      1370 ATCAGGCGAT 1381
Db      2 ATTACGAGCGAY 13

RESULT 960
US-10-257-017B-195784/c
; Sequence 195784, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 195784
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0048161
US-10-257-017B-195783

Query Match      7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 83.3%; Pred. No. 1.1e+03;
Matches 10; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY      1370 ATCAGGCGAT 1381
Db      2 ATTACGAGCGAY 13

RESULT 961
US-10-257-017B-201791
; Sequence 201791, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 201791
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0049618
US-10-257-017B-201791

Query Match      7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1447 GGAAGATGGG 1456
Db      4 GGAAGATGGG 13

RESULT 962
US-10-257-017B-201792/c
; Sequence 201792, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 201792
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0049618
US-10-257-017B-201792

Query Match      7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1447 GGAAGATGGG 1456
Db      10 GGAAGATGGG 1
```

```
RESULT 963
US-10-257-017B-202317/c
; Sequence 202317, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 202317
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0007716
US-10-257-017B-202317

Query Match          7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 83.3%; Pred. No. 1.1e+03;
Matches 10; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1354 GAAAAATATTCC 1365
Db 13 RATAAATATTCC 2

RESULT 964
US-10-257-017B-202318
; Sequence 202318, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 202318
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0007716
US-10-257-017B-202318

Query Match          7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 83.3%; Pred. No. 1.1e+03;
Matches 10; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1354 GAAAAATATTCC 1365
Db 1 RATAAATATTCC 12

RESULT 965
US-10-257-017B-207427
; Sequence 207427, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 207427
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0004531
US-10-257-017B-207427

Query Match          7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1397 GGAGGTAAAA 1406
Db 4 GGAGGTAAAA 13

RESULT 966
US-10-257-017B-207428/c
; Sequence 207428, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 207428
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0004531
US-10-257-017B-207428

Query Match          7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1397 GGAGGTAAAA 1406
Db 10 GGAGGTAAAA 1

RESULT 967
US-10-257-017B-208649
; Sequence 208649, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 208649
```


; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0005053
US-10-257-017B-208649

Query Match 7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1405 AATTGTTAAT 1414
|||
Db 4 AATTGTTAAT 13

RESULT 968
US-10-257-017B-208650/c
; Sequence 208650, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 208650
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0005053
US-10-257-017B-208650

Query Match 7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1405 AATTGTTAAT 1414
|||
Db 10 AATTGTTAAT 1

RESULT 969
US-10-257-017B-209359/c
; Sequence 209359, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 209359
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0051129
US-10-257-017B-209359

Query Match 7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 83.3%; Pred. No. 1.1e+03;

Matches 10; Conservative 1; Mismatches 1; Indels 0; Gaps 0;
QY 1351 GAAGAAAAATAT 1362
:|||
Db 13 RAAAAAAATAT 2

RESULT 970
US-10-257-017B-209360
; Sequence 209360, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 209360
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0051129
US-10-257-017B-209360

Query Match 7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 83.3%; Pred. No. 1.1e+03;
Matches 10; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1351 GAAGAAAAATAT 1362
:|||
Db 1 RAAAAAAATAT 12

RESULT 971
US-10-257-017B-211887
; Sequence 211887, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 211887
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0051655
US-10-257-017B-211887

Query Match 7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1352 AAGAAAAATA 1361
|||
Db 4 AAGAAAAATA 13

RESULT 972
US-10-257-017B-211888/c

; Sequence 211888, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 211888
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0051655
US-10-257-017B-211888

Query Match 7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1352 AAGAAAAATA 1361
|||||
Db 10 AAGAAAAATA 1

RESULT 973

US-10-257-017B-217001
; Sequence 217001, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 217001
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0052741
US-10-257-017B-217001

Query Match 7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1354 GAAAAATATT 1363
|||||
Db 1 GAAAAATATT 10

RESULT 974

US-10-257-017B-217002/c
; Sequence 217002, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B

; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 217002
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0052741
US-10-257-017B-217002

Query Match 7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1354 GAAAAATATT 1363
|||||
Db 13 GAAAAATATT 4

RESULT 975

US-10-257-017B-217085
; Sequence 217085, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 217085
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0052768
US-10-257-017B-217085

Query Match 7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1402 TAAATTTGTT 1411
|||||
Db 4 TAAATTTGTT 13

RESULT 976

US-10-257-017B-217086/c
; Sequence 217086, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 217086
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:

; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0052768
US-10-257-017B-217086

Query Match 7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1402 TAAATTTGTT 1411
|||||
Db 10 TAAATTTGTT 1

RESULT 977

US-10-257-017B-218419/c
; Sequence 218419, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 218419
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0053101
US-10-257-017B-218419

Query Match 7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1358 AATATTCCAC 1367
|||||
Db 13 AATATTCCAC 4

RESULT 978

US-10-257-017B-218420
; Sequence 218420, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 218420
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0053101
US-10-257-017B-218420

Query Match 7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1358 AATATTCCAC 1367
|||||

Db 1 AATATTCCAC 10

RESULT 979

US-10-257-017B-222395
; Sequence 222395, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 222395
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0054111
US-10-257-017B-222395

Query Match 7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1410 TTAATGATGA 1419
|||||
Db 1 TTAATGATGA 10

RESULT 980

US-10-257-017B-222396/c
; Sequence 222396, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 222396
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0054111
US-10-257-017B-222396

Query Match 7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1410 TTAATGATGA 1419
|||||
Db 13 TTAATGATGA 4

RESULT 981

US-10-257-017B-223435
; Sequence 223435, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock

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; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 223435
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0054398
US-10-257-017B-223435

Query Match      7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1411 TAATGATGAC 1420
Db 1 TAATGATGAC 10

RESULT 982
US-10-257-017B-223436/c
; Sequence 223436, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 223436
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0054398
US-10-257-017B-223436

Query Match      7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1411 TAATGATGAC 1420
Db 13 TAATGATGAC 4

RESULT 983
US-10-257-017B-223703
; Sequence 223703, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
```

```
; SEQ ID NO 223703
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0054459
US-10-257-017B-223703

Query Match      7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1354 GAAAAAATATT 1363
Db 1 GAAAAAATATT 10

RESULT 984
US-10-257-017B-223704/c
; Sequence 223704, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 223704
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0054459
US-10-257-017B-223704

Query Match      7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1354 GAAAAAATATT 1363
Db 13 GAAAAAATATT 4

RESULT 985
US-10-257-017B-223829
; Sequence 223829, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 223829
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0054504
US-10-257-017B-223829

Query Match      7.7%; Score 10; DB 1; Length 13;
```



```
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1403 AAAATTGTTA 1412
Db 3 AAAATTGTTA 12

RESULT 986
US-10-257-017B-223830/c
; Sequence 223830, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 223830
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0054504
US-10-257-017B-223830

Query Match 7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1403 AAAATTGTTA 1412
Db 11 AAAATTGTTA 2

RESULT 987
US-10-257-017B-223907/c
; Sequence 223907, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 223907
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0054543
US-10-257-017B-223907

Query Match 7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1357 AAATATTCCA 1366
Db 13 AAATATTCCA 4

RESULT 988
US-10-257-017B-223907/c
; Sequence 223907, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
```

```
US-10-257-017B-223908
; Sequence 223908, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 223908
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0054543
US-10-257-017B-223908

Query Match 7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1357 AAATATTCCA 1366
Db 1 AAATATTCCA 10

RESULT 989
US-10-257-017B-225649
; Sequence 225649, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 225649
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0055004
US-10-257-017B-225649

Query Match 7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 83.3%; Pred. No. 1.1e+03;
Matches 10; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1400 GGTAATAATTGTT 1411
Db 2 GGTAATAATTGTY 13

RESULT 990
US-10-257-017B-225650/c
; Sequence 225650, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
```

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; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 225650
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0055004
US-10-257-017B-225650

Query Match          7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 83.3%; Pred. No. 1.1e+03;
Matches 10; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1400 GGTAATAATTGTT 1411
Db 12 GGTAATAATTGTY 1

RESULT 991
US-10-257-017B-226099
; Sequence 226099, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 226099
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0055111
US-10-257-017B-226099

Query Match          7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1449 AAGATGGGTT 1458
Db 2 AAGATGGGTT 11

RESULT 992
US-10-257-017B-226100/c
; Sequence 226100, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 226100
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0055111
US-10-257-017B-226100

; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0055111
US-10-257-017B-226100

Query Match          7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1399 AGGTAAATTT 1408
Db 3 AGGTAAATTT 12

RESULT 994
US-10-257-017B-228870/c
; Sequence 228870, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 228870
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0055835
US-10-257-017B-228870

Query Match          7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1399 AGGTAAATTT 1408
```



```
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 235997
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0057608
US-10-257-017B-235997
```

```
Query Match          7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      1352 AAGAAAAATA 1361
      |||||
Db       2 AAGAAAAATA 11
```

```
RESULT 1000
US-10-257-017B-235998/c
; Sequence 235998, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 235998
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0057608
US-10-257-017B-235998
```

```
Query Match          7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      1352 AAGAAAAATA 1361
      |||||
Db       12 AAGAAAAATA 3
```

Search completed: April 7, 2004, 07:12:42
Job time : 8 secs

Search completed: April 7, 2004, 07:15:00
Job time : 0.001 secs

Sequencing granted in the context of the GABI-Beet project, local PI: Dr. Katharina Schneider, coordinator: Prof. Christian Jung; Sequence submission managed by RZPD/GABI-Primary database: <http://gabi.rzpd.de>"

Query Match 7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.6;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1460 ATCAAGCAAA 1469
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Db 3 ATCAAGCAAA 12

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DEFINITION CF299850 11 bp mRNA linear EST 15-AUG-2003
7LEAF--04-A13.g1 Rice leaf plasmid cDNA library II (7LEAF) Oryza
sativa cDNA clone 7LEAF--04-A13, mRNA sequence.

ACCESSION CF299850
VERSION CF299850.1 GI:33671611
KEYWORDS EST.

SOURCE Oryza sativa
ORGANISM Oryza sativa
Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
Spermatophyta; Magnoliophyta; Liliopsida; Poales; Poaceae;
Ehrhartoideae; Oryzeae; Oryza.

REFERENCE 1 (bases 1 to 11)
AUTHORS Kim,J.S., Jun,K.M., Cheong,P.J., Kim,M.J., Lee,T.H., Shin,Y.C.,
Song,S.I., Kim,J.K., Kim,Y.-K. and Nahm,B.H.

TITLE Large-scale Sequencing Analysis of Rice ESTs

JOURNAL Unpublished (2003)

COMMENT Contact: Nahm B.H.

Genomics and Genetics Institute, GreenGene Biotech Inc.; Division
of Bioscience and Bioinformatics, Myongji University

Yongin, Kyeonggi, Korea

Tel: 82 31 330 6193

Fax: 82 31 321 6355

Email: bhnaem@gbio.com, bhnaem@bio.myongji.ac.kr.

FEATURES Location/Qualifiers

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with oligoribonucleotides and then used as templates for
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Db 1 AAAAAAATAT 11

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DEFINITION BQ587101 13 bp mRNA linear EST 06-DEC-2002
E012350-024-011-K22-SP6 MP1Z-ADIS-024-leaf Beta vulgaris cDNA clone
024-011-K22 5-PRIME, mRNA sequence.

ACCESSION BQ587101
VERSION BQ587101.1 GI:26116683
KEYWORDS EST.

SOURCE Beta vulgaris
ORGANISM Beta vulgaris

Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
Spermatophyta; Magnoliophyta; eudicotyledons; core eudicots;
Caryophyllales; Amaranthaceae; Beta.

1 (bases 1 to 13)

AUTHORS Herwig,R., Schulz,B., Weisshaar,B., Hennig,S., Steinfath,M.,
Drungowski,M., Stahl,D., Wruck,W., Menze,A., O'Brien,J., Lehrach,H.
and Radelof,U.

TITLE Construction of a 'unigene' cDNA clone set by oligonucleotide
fingerprinting allows access to 25 000 potential sugar beet genes

Plant J. 32 (5), 845-857 (2002)

22362189

PUBMED

COMMENT 12472698

Contact: Weisshaar B

ADIS DNA core facility at MP1Z

Max-Planck-Institute for Plant Breeding Research

Carl-von-Linne Weg 10, 50829 Koeln, Germany

Fax: 00492215062851

Email: weisshaa@piz-koeln.mpg.de

Insert Length: 13 Std Error: 0.00

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Seq primer: SP6; CATACGATTAGGTGACACTATAG.

Location/Qualifiers

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/note="Vector: pCMVSPORT6; Site 1: SalI; Site 2: NotI;
cDNA library from sugar beet, library provided by KWS
Kleinwanzlebener Saatzucht AG Einbeck, Germany, contact:
b.schulz@kws.de; cloning sites SalI-NotI, primer sites and
orientation:"

SP6-SalI-CCACGGCTCCG-5prime-cDNA-polyA-CC-NotI-T7; Note:
Sequencing granted in the context of the GABI-Beet

project, local PI: Dr. Katharina Schneider, coordinator:
Prof. Christian Jung; Sequence submission managed by

RZPD/GABI-Primary database:<http://gabi.rzpd.de>"

Query Match 7.2%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 2.3;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

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Db 11 GGAAGAAAGAT 1

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CF304450
LOCUS
DEFINITION CF304450 11 bp mRNA linear EST 15-AUG-2003
ABF1--05-A03.g1 ABF3-overexpressing transgenic rice lambda phage
cDNA library (ABF1) Oryza sativa cDNA clone ABF1--05-A03, mRNA
sequence.

CF304450

CF304450.1 GI:33676211

EST.

SOURCE Oryza sativa

ORGANISM Oryza sativa

Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
Spermatophyta; Magnoliophyta; Liliopsida; Poales; Poaceae;
Ehrhartoideae; Oryzeae; Oryza.

1 (bases 1 to 11)

AUTHORS Kim,J.S., Jun,K.M., Cheong,P.J., Kim,M.J., Lee,T.H., Shin,Y.C.,

Song,S.I., Kim,J.K., Kim,Y.-K. and Nahm,B.H.

Large-scale Sequencing Analysis of Rice ESTs

Unpublished (2003)

Contact: Nahm B.H.

Genomics and Genetics Institute, GreenGene Biotech Inc.; Division
of Bioscience and Bioinformatics, Myongji University
Yongin, Kyeonggi, Korea
Tel: 82 31 330 6193
Fax: 82 31 321 6355
Email: bnhnm@gbio.com, bnhnm@bio.myongji.ac.kr.

FEATURES source

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phage cDNA library (ABF1)"
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lambda Uni-ZAP XR vector at 5' end with EcoRI and 3' end
with XhoI site. mRNA was prepared from ABA-responsive
element binding transcription factor 3 overexpression
line."

Query Match 6.5%; Score 8.4; DB 1; Length 11;
Best Local Similarity 90.0%; Pred. No. 4.6; Indels 0; Gaps 0;
Matches 9; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1372 CACGAGCGAT 1381
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Db 2 CACGAGGGAT 11

RESULT 8
CF302914
LOCUS
DEFINITION
ACCESSION
VERSION
KEYWORDS
SOURCE
ORGANISM

CF302914 10 bp mRNA linear EST 15-AUG-2003
7LEAF--08-N16.g1 Rice leaf plasmid cDNA library II (7LEAF) Oryza
sativa cDNA clone 7LEAF--08-N16, mRNA sequence.

CF302914
CF302914.1 GI:33674675
EST.

Oryza sativa
Oryza sativa
Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
Spermatophyta; Magnoliophyta; Liliopsida; Poales; Poaceae;
Ehrhartoideae; Oryzeae; Oryza.
1 (bases 1 to 10)
Kim, J.S., Jun, K.M., Cheong, P.J., Kim, M.J., Lee, T.H., Shin, Y.C.,
Song, S.I., Kim, J.K., Kim, Y.-K. and Nahm, B.H.
Large-scale Sequencing Analysis of Rice ESTs
Unpublished (2003)

Contact: Nahm B.H.
Genomics and Genetics Institute, GreenGene Biotech Inc.; Division
of Bioscience and Bioinformatics, Myongji University
Yongin, Kyeonggi, Korea
Tel: 82 31 330 6193
Fax: 82 31 321 6355
Email: bnhnm@gbio.com, bnhnm@bio.myongji.ac.kr.

FEATURES source

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Db 1 AAAATATT 8

RESULT 9
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LOCUS
DEFINITION
ACCESSION
VERSION
KEYWORDS
SOURCE
ORGANISM

BQ595495 11 bp mRNA linear EST 06-DEC-2002
E012691-024-022-014-SP6 MP1Z-ADIS-024-developing root Beta vulgaris
cDNA clone 024-022-014 5-PRIME, mRNA sequence.

BQ595495
BQ595495.1 GI:26125078
EST.

Beta vulgaris
Beta vulgaris
Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
Spermatophyta; Magnoliophyta; eudicotyledons; core eudicots;
Caryophyllales; Amaranthaceae; Beta.
1 (bases 1 to 11)
Herwig, R., Schulz, B., Weishaar, B., Hennig, S., Steinfath, M.,
Drungowski, M., Stahl, D., Wruck, W., Menze, A., O'Brien, J., Lehrach, H.
and Radelof, U.

REFERENCE
AUTHORS

TITLE
Construction of a 'unigene' cDNA clone set by oligonucleotide
fingerprinting allows access to 25 000 potential sugar beet genes

Plant J. 32 (5), 845-857 (2002)
22362189
12472698
JOURNAL
MEDLINE
PUBMED
COMMENT

Contact: Weishaar B
ADIS DNA core facility at MP1Z
Max-Planck-Institute for Plant Breeding Research
Carl-von-Linne Weg 10, 50829 Koeln, Germany
Fax: 00492215062851
Email: weishaa@mpiz-koeln.mpg.de
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FEATURES source

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/lab_host="EMDH10B"
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cDNA library from sugar beet, library provided by KWS
Kleinwanzlebener Saatucht AG Einbeck, Germany, contact:
b.schulz@kws.de; cloning sites SalI-NotI, primer sites and
orientation:
SP6-Sali-CCACGGTCCG-5prime-cDNA-polyA-CC-NotI-T7; Note:
Sequencing granted in the context of the GABI-Beet
Project, local PI: Dr. Katharina Schneider, coordinator:
Prof. Christian Jung; Sequence submission managed by
RZPD/GABI-Primary database: http://gabi.rzpd.de"

Query Match 6.2%; Score 8; DB 1; Length 11;
Best Local Similarity 100.0%; Pred. No. 5.6;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 8 AGGGGAAG 1

GenCore version 5.1.6
Copyright (c) 1993 - 2004 Compugen Ltd.

OM nucleic - nucleic search, using sw model

Run on: April 7, 2004, 07:15:00 ; Search time 0.001 Seconds
(without alignments)
27.300 Million cell updates/sec

Title: us-10-006-911-3
Perfect score: 130
Sequence: 1 tcagggggaagaaatattc.....ggttgatcaagcaaatagga 130

Scoring table: IDENTITY NUC
Gapop 10.0 , Gapext 0.5

Searched: 9 seqs, 105 residues

Total number of hits satisfying chosen parameters: 18

Minimum DB seq length: 8
Maximum DB seq length: 50

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 9 summaries

Database : rst.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
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C 2	10	7.7	12	1	BQ587288
C 3	10	7.7	12	1	BQ587706
4	10	7.7	13	1	BQ582939
5	9.4	7.2	11	1	CF299850
6	9.4	7.2	13	1	BQ587101
7	8.4	6.5	11	1	CF304450
8	8	6.2	10	1	CF302914
C 9	8	6.2	11	1	BQ595495

ALIGNMENTS

RESULT 1
BQ594229/c
LOCUS
DEFINITION
E012757-024-025-C11-SP6 MP1Z-ADIS-024-developing root Beta vulgaris
CDNA clone 024-025-C11 5-PRIME, mRNA sequence.
ACCESSION
BQ594229
VERSION
BQ594229.1 GI:26123812
KEYWORDS
EST.
SOURCE
Beta vulgaris
ORGANISM
Beta vulgaris
Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
Spermatophyta; Magnoliophyta; eudicotyledons; core eudicots;
Caryophyllales; Amaranthaceae; Beta.
REFERENCE
1 (bases 1 to 12)
AUTHORS
Herwig,R., Schulz,B., Weisshaar,B., Hennig,S., Steinfath,M.,
Drungowski,M., Stahl,D., Wruck,W., Menze,A., O'Brien,J., Lehrach,H.
and Radelof,U.
TITLE
Construction of a 'unigene' cDNA clone set by oligonucleotide
fingerprinting allows access to 25 000 potential sugar beet genes

JOURNAL
MEDLINE
PUBMED
COMMENT

Plant J. 32 (5), 845-857 (2002)
22362189
12472698
Contact: Weisshaar B
ADIS DNA core facility at MPIZ
Max-Planck-Institute for Plant Breeding Research
Carl-von-Linne Weg 10, 50829 Koeln, Germany
Fax: 00492215062851
Email: weissshaampiz-koeln.mpg.de
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Seq primer: SP6; CATACGATTAGGTGACACTATAG.

FEATURES

source

Location/Qualifiers

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cDNA library from sugar beet, library provided by KWS
Kleinwanzlebener Saatzucht AG Einbeck, Germany, contact:
b.schulz@kws.de; cloning sites Sali-NotI, primer sites and
orientation:
SP6-Sali-CCACGCGTCG-5prime-cDNA-polyA-CC-NotI-T7; Note:
Sequencing granted in the context of the GABI-Beet
project, local PI: Dr. Katharina Schneider, coordinator:
Prof. Christian Jung; Sequence submission managed by
RZPD/GABI-Primary database: http://gabi.rzpd.de"

Query Match 8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 1.4;

Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

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RESULT 2

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LOCUS

DEFINITION

ACCESSION

VERSION

KEYWORDS

SOURCE

ORGANISM

Beta vulgaris

Beta vulgaris

Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
Spermatophyta; Magnoliophyta; eudicotyledons; core eudicots;
Caryophyllales; Amaranthaceae; Beta.

REFERENCE

AUTHORS

Herwig,R., Schulz,B., Weisshaar,B., Hennig,S., Steinfath,M.,
Drungowski,M., Stahl,D., Wruck,W., Menze,A., O'Brien,J., Lehrach,H.
and Radelof,U.

TITLE

Construction of a 'unigene' cDNA clone set by oligonucleotide
fingerprinting allows access to 25 000 potential sugar beet genes

Plant J. 32 (5), 845-857 (2002)

22362189

12472698

CONTACT: Weisshaar B

ADIS DNA core facility at MPIZ

Max-Planck-Institute for Plant Breeding Research

Carl-von-Linne Weg 10, 50829 Koeln, Germany

Fax: 00492215062851

Email: weissshaampiz-koeln.mpg.de

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Kleinwanzlebener Saatzzucht AG Einbeck, Germany, contact:
b.schulz@kws.de; cloning sites Sali-NotI, primer sites and
orientation:
SP6-Sali-CCACGCGTCG-5prime-cDNA-polyA-CC-NotI-T7; Note:
Sequencing granted in the context of the GABI-Beet
project, local PI: Dr. Katharina Schneider, coordinator:
Prof. Christian Jung; Sequence submission managed by
RZPD/GABI-Primary database:http://gabi.rzpd.de"

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Best Local Similarity 100.0%; Pred. No. 1.8;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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E012340-024-010-G19-SP6 MPIZ-ADIS-024-leaf Beta vulgaris cDNA clone
024-010-G19 5-PRIME, mRNA sequence.
ACCESSION
BQ587706.1 GI:26117288
VERSION
BQ587706
KEYWORDS
EST.
SOURCE
Beta vulgaris
ORGANISM
Beta vulgaris
Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
Spermatophyta; Magnoliophyta; eudicotyledons; core eudicots;
Caryophyllales; Amaranthaceae; Beta.
REFERENCE
1 (bases 1 to 12)
Herwig,R., Schulz,B., Weisshaar,B., Hennig,S., Steinfath,M.,
Drungowski,M., Stahl,D., Wruck,W., Menze,A., O'Brien,J., Lehrach,H.
and Radelof,U.
Construction of a 'unigene' cDNA clone set by oligonucleotide
fingerprinting allows access to 25 000 potential sugar beet genes
Plant J. 32 (5), 845-857 (2002)
JOURNAL
MEDLINE
PUBMED
COMMENT
Contact: Weisshaar B
ADIS DNA core facility at MPIZ
Max-Planck-Institute for Plant Breeding Research
Carl-von-Linne Weg 10, 50829 Koeln, Germany
Fax: 00492215062851
Email: weisshaar@piz-koeln.mpg.de
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cDNA library from sugar beet, library provided by KWS
Kleinwanzlebener Saatzzucht AG Einbeck, Germany, contact:
b.schulz@kws.de; cloning sites Sali-NotI, primer sites and
orientation:
SP6-Sali-CCACGCGTCG-5prime-cDNA-polyA-CC-NotI-T7; Note:
Sequencing granted in the context of the GABI-Beet
project, local PI: Dr. Katharina Schneider, coordinator:
Prof. Christian Jung; Sequence submission managed by
RZPD/GABI-Primary database:http://gabi.rzpd.de"

Query Match 7.7%; Score 10; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.8;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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|||||
Db 11 GGAAGAAAAA 2

RESULT 4
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LOCUS
DEFINITION
S015369-024-006-K21-SP6 MPIZ-ADIS-024-inflorescence Beta vulgaris
cDNA clone 024-006-K21 5-PRIME, mRNA sequence.
ACCESSION
BQ582939
VERSION
BQ582939.1 GI:26112516
KEYWORDS
EST.
SOURCE
Beta vulgaris
ORGANISM
Beta vulgaris
Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
Spermatophyta; Magnoliophyta; eudicotyledons; core eudicots;
Caryophyllales; Amaranthaceae; Beta.
REFERENCE
1 (bases 1 to 13)
Herwig,R., Schulz,B., Weisshaar,B., Hennig,S., Steinfath,M.,
Drungowski,M., Stahl,D., Wruck,W., Menze,A., O'Brien,J., Lehrach,H.
and Radelof,U.
Construction of a 'unigene' cDNA clone set by oligonucleotide
fingerprinting allows access to 25 000 potential sugar beet genes
Plant J. 32 (5), 845-857 (2002)
JOURNAL
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COMMENT
Contact: Weisshaar B
ADIS DNA core facility at MPIZ
Max-Planck-Institute for Plant Breeding Research
Carl-von-Linne Weg 10, 50829 Koeln, Germany
Fax: 00492215062851
Email: weisshaar@piz-koeln.mpg.de
Insert Length: 13 Std Error: 0.00
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Location/Qualifiers
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cDNA library from sugar beet, library provided by KWS
Kleinwanzlebener Saatzzucht AG Einbeck, Germany, contact:
b.schulz@kws.de; cloning sites Sali-NotI, primer sites and
orientation:
SP6-Sali-CCACGCGTCG-5prime-cDNA-polyA-CC-NotI-T7; Note:
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